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TRANSACTIONS

OF THE

DEPARTMENT OF AGRICULTURE

OF THE

STATE OF ILLINOIS,

WITH REPORTS FROM

COUNTY AGRICULTURAL BOARDS,

FOR THE YEAR 1874.

EDITED BY

A. M. GARLAND, SECRETARY.

Vol. XII, Old Series. Vol. IV, New Series.

SPRINGFIELD:
STATE JOURNAL STEAM PRINT.
1875.

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1875 Dec. 7.
Gift of
the State of Illinois.

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LIST OF COUNTIES

COMPOSING THE CONGRESSIONAL DISTRICTS IN ILLINOIS—FROM EACH OF WHICH ONE MEMBER OF STATE BOARD OF AGRICULTURE IS CHOSEN.

FIRST DISTRICT—The First, Second, Third, Fourth, Fifth, Sixth and Seventh Wards of the city of Chicago, the towns of Hyde Park, Lake, Lyons, Riverside, Lemont, Palos, Worth, Calumet, Orland, Bremen, Thornton, Rich and Bloom, in Cook county, and the county of DuPage.

SECOND DISTRICT—The Eighth, Ninth, Tenth, Eleventh, Twelfth, Thirteenth, Fourteenth and Fifteenth Wards of the city of Chicago.

THIRD DISTRICT—The Sixteenth, Seventeenth, Eighteenth, Nineteenth and Twentieth Wards of the city of Chicago, the towns of Cicero, Proviso, Jefferson, Leyden, Lake View, Evanston, Niles, Maine, Elk Grove, Schaumburg, Hanover, Barrington, Palatine, Wheeling, Northfield and New Trier, in the county of Cook, and the county of Lake.

FOURTH DISTRICT—Kane, DeKalb, McHenry, Boone and Winnebago.

FIFTH DISTRICT—Stephenson, JoDaviess, Carroll, Whiteside and Ogle.

SIXTH DISTRICT—Lee, Bureau, Putnam, Henry and Rock Island.

SEVENTH DISTRICT—LaSalle, Kendall, Grundy and Will.

EIGHTH DISTRICT—Kankakee, Iroquois, Ford, Livingston, Woodford and Marshall.

NINTH DISTRICT—Stark, Peoria, Knox and Fulton.

TENTH DISTRICT—Mercer, Henderson, Warren, Hancock, McDonough and Schuyler.

ELEVENTH DISTRICT—Adams, Brown, Pike, Calhoun, Greene and Jersey.

TWELFTH DISTRICT—Scott, Morgan, Cass, Menard, Sangamon and Christian.

THIRTEENTH DISTRICT—Mason, Tazewell, McLean, Logan and DeWitt.

FOURTEENTH DISTRICT—Macon, Piatt, Champaign, Douglas, Coles and Vermilion.

FIFTEENTH DISTRICT—Edgar, Clark, Cumberland, Moultrie, Shelby, Effingham, Jasper, Crawford and Lawrence.

SIXTEENTH DISTRICT—Montgomery, Fayette, Bond, Clinton, Washington, Marion and Clay.

SEVENTEENTH DISTRICT—Macoupin, Madison, St. Clair and Monroe.

EIGHTEENTH DISTRICT—Randolph, Perry, Jackson, Union, Williamson, Johnson, Pope, Massac Pulaski and Alexander.

NINETEENTH DISTRICT—Richland, Wayne, Edwards, Wabash, Jefferson, Franklin, Hamilton, White, Saline, Gallatin and Hardin.

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MEMBERS OF STATE BOARD OF AGRICULTURE, 1873-'74.

PRESIDENT.....JOHN P. REYNOLDS.....Chicago.
EX-PRESIDENT.....D. A. BROWN.....Bates.
SECRETARY.....A. M. GARLAND.....Springfield.
TREASURER.....JOHN W. BUNN.....Springfield.

VICE-PRESIDENTS.

1st	District	LEWIS ELLSWORTH.....Naperville.	11th	District	K. K. JONES.....Quincy.
2d	"	H. D. EMERY.....Chicago.	12th	"	M. C. GOLTRA.....Jacksonville.
3d	"	JONATHAN PERIAM.....Chicago.	13th	"	S. D. FISHER.....Atlanta.
4th	"	JAMES HERRINGTON.....Geneva.	14th	"	JAMES R. SCOTT.....Champaign.
5th	"	C. H. ROSENSTIEL.....Freeport.	15th	"	WILLIAM KILE.....Paris.
6th	"	GEORGE W. STONE.....Princeton.	16th	"	W. H. RUSSELL.....Sandoval.
7th	"	CHARLES SNOAD.....Joliet.	17th	"	D. B. GILLHAM.....Alton.
8th	"	EMORY COBB.....Kankakee.	18th	"	D. T. PARKER.....Cairo.
9th	"	A. J. DUNLAP.....Galesburg.	19th	"	JOHN LANDRIGAN..... Albion.
10th	"	SAMUEL DOUGLAS.....Monmouth.			

SUPERINTENDENTS OF DEPARTMENTS, 1873-'74.

Class A—CATTLE.....MR. COBB and MR. RUSSELL.
Class B—HORSES.....MR. HERRINGTON.
Class C and E—SHEEP AND POULTRY.....MR. SNOAD.
Class D—SWINE.....MR. SCOTT.
Class F—MECHANICS { Inside of Hall.....MR. GOLTRA. / Outside of Hall.....MR. JONES.
Class G—FARM PRODUCTS.....MR. PERIAM.
Class H—HORTICULTURE.....MR. ELLSWORTH.
Class I and L—FINE ARTS AND NATURAL HISTORY.....MR. STONE.
Class K—TEXTILE FABRICS.....MR. PARKER.

MR. LANDRIGAN.....Marshal of Ring.
MR. GILLHAM.....Superintendent of Grounds.
MR. FISHER.....Superintendent of Forage and Stalls.
MESSRS. REYNOLDS, BROWN, KILE and EMERY.....Reception Committee.
MESSRS. REYNOLDS, BROWN, GOLTRA, GILLHAM, JONES, DUNLAP, KILE, STONE, COBB, and GARLAND.....Committee of Arrangements.
MESSRS. ROSENSTIEL, DUNLAP and DOUGLAS.....Auditing Committee.
MESSRS. DUNLAP, PERIAM and EMERY.....Committee to visit and report upon Farms.
MESSRS. REYNOLDS, BROWN and COBB.....Committee on Printing.
MESSRS. COBB, GILLHAM and GOLTRA.....Committee on Finance.

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AN ACT

TO REVISE THE LAW IN RELATION TO THE DEPARTMENT OF AGRICULTURE COUNTY AGRICULTURAL BOARDS, AND AGRICULTURAL FAIRS, APPROVED MARCH 27, 1874, IN FORCE JULY 1, 1874, AS AMENDED BY THE 29TH GENERAL ASSEMBLY; IN FORCE JULY 1, 1875.

SECTION 1. *Be it enacted by the People of the State of Illinois, represented in the General Assembly*, That the Department of Agriculture, for the promotion of agriculture and horticulture, manufactures and the domestic arts, shall be continued, and shall be managed by a board, to be styled "The State Board of Agriculture," to consist of a president and one vice-president from each Congressional District in this State, and of the last ex-president of the State Board of Agriculture; said president and vice-presidents to be elected on the fair grounds, on the first Wednesday of the annual State Fair in 1876, and every two years thereafter, on Wednesday of the week of the State Fair, by delegates or alternates chosen by the several County, Union or District Agricultural Boards, in counties where such boards exist, and by the Board of Supervisors or the County Board, as the case may be, in counties where no agricultural board exists—each county to be entitled to three delegates, and no more: *Provided*, that whenever an agricultural board is hereafter organized in pursuance of law and the by-laws of the State Board of Agriculture, then the delegates or alternates from such county shall thereafter be chosen by such agricultural board as is recognized by the State Board of Agriculture. The members of the State Board of Agriculture shall enter upon the duties of their office on the second Tuesday of January succeeding their election, and hold their office for two years, and until their successors are elected and enter upon their duties.

§ 2. The said State Board shall appoint some person, not a member of the Board, secretary, and fix his compensation, who shall hold his office during the term for which the members of the Board appointing him are elected, unless for good cause he shall sooner be removed by the Board, and who shall perform such duties as usually pertain to the office of secretary, or as shall be required of him by the Board.

§ 3. They shall also appoint some person, not a member of the Board, as treasurer, and fix his compensation and prescribe his duties, who shall give bond in such sum and with such security as the Board shall direct, conditioned for the faithful discharge of the duties of his office. He shall hold his office during the term for which the members of the Board appointing him are elected, unless for good cause he shall be sooner removed by the Board.

§ 4. The treasurer shall keep an accurate itemized account of all money received by him and paid out, and make an annual report thereof to the State Board, and make full settlement with the Board. The Board having examined such account, and found the same correct, shall indorse their approval thereon, and transmit the same, with all proper vouchers, to the Governor, who, if he approve, shall file the same with the Auditor of Public Accounts; if he shall not approve, he shall return the same to the Board for correction.

§ 5. Said Board shall keep an office for the transaction of business at Springfield; and when the new State house is so far completed as to allow thereof, there shall be assigned to the Department of Agriculture suitable rooms therein, to be under the control of said Board.

§ 6. The State Board of Agriculture in that name, and the several County, Union and District Agricultural Boards, organized as herein provided, in their respective names, may contract and be contracted with, may purchase, hold or sell property, and may sue and be sued in all courts or places; but this State shall never be liable for any debt or contract of any of said boards.

§ 7. The State Board of Agriculture shall have the sole control of the affairs of the Department of Agriculture, of all State Fairs, and may make such by-laws, rules and regulations in relation to the Department of Agriculture, and the management of the business of such Department and State Fairs, and offering premiums, as a majority of said Board shall, from time to time, determine, not inconsistent with the constitution and laws of this State or the United States. But this State shall, in no event be liable for any premium offered or debt contracted by said Board of Agriculture.

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§ 8. The said Board shall provide for the organization of County, Union or District Agricultural Boards, which may be incorporated pursuant to the law for the formation of corporations and associations. Each County, Union or District Board shall be styled "The ..... County, Union or District Agricultural Board," and shall make annual reports of its proceedings to the State Board, on or before the 15th day of November, and shall pay as premiums at its annual fairs not less than three hundred dollars ($300), before being entitled to the benefits accruing under section 13 of this act.

§ 9. Any agricultural society or corporation now existing may change its name and organization to conform to this act, such change to be made by the directors or managers upon the consent of a majority of the members or stockholders, as the case may be, of the society or corporation, evidenced in writing, or by a vote taken at a meeting held for that purpose, not less than ten days previous notice having been given of the time, place and object of the meeting; and in like manner any two or more such societies or corporations in the same county may become consolidated into one society or corporation; and when the same or either of such consolidating societies or corporations is a stock company, may in like manner increase, decrease or retire their stock: *Provided*, that all reorganizations under this act shall be in conformity to the requirements of the State Board of Agriculture.

§ 10. When any agricultural society or corporation has changed, or shall change its name or organization so as to become a County, Union or District Agricultural Board, as authorized by law, the property, both real and personal, of the society or corporation making such change, shall be held, used, sold and conveyed by the new name so adopted, for the like uses and purposes and for the benefit of the original owners or members thereof, and to the same extent as it might have been by the original name if no such change had been made. This section shall also apply to the property of consolidating societies or corporations.

§ 11. It shall be lawful for the Directors of any County, Union or District Agricultural Board, in order to pay or secure to be paid the indebtedness of such board, or of its predecessor, an agricultural society, or for the purpose of purchasing real estate for the use of such board, or to procure means to be expended in the improvement of its fair grounds, to make and to execute notes or other legal contracts binding such board, and to secure such notes or contracts by mortgage or deed of trust on the real estate now or hereafter owned by said board, such mortgage or deed of trust to be executed under the seal of the County, Union or District Agricultural Board making the same, and signed by the President and Secretary thereof.

§ 12. All changes of name and organization of county agricultural societies heretofore made in conformity to "An act to create a Department of Agriculture in the State of Illinois," approved April 15, 1871, or "An act concerning the re-organization of County Agricultural Societies, in conformity to 'an act to create a Department of Agriculture in the State of Illinois,' approved April 15, 1871," approved April 18, 1873, and the by-laws of the State Board of Agriculture, and where such action has been reported to the Secretary of said State Board of Agriculture, are hereby declared legal and effectual, and such County Agricultural Boards heretofore organized shall be entitled to all the benefits of this act as fully as if hereafter organized.

§ 13. Whatever money shall be appropriated to the Department of Agriculture shall be paid to said State Board of Agriculture, and may be expended by them as in the opinion of said board will best advance the interest of agriculture and horticulture, manufactures and domestic arts, in this State: *Provided*, when any appropriation is made for the benefit of County, Union or District Agricultural Boards, the same shall be divided equally between such County, Union and District Agricultural Boards as shall be entitled to a representation in said Agricultural Board, and shall have given satisfactory evidence to said State Board of having held an annual fair, and made their annual report to said State Board of Agriculture.

§ 14. The State Board of Agriculture shall, at the close of its annual meeting in each year, report to the Governor the transactions of the department, in which they shall give a complete classified financial statement of all moneys received and paid out.

§ 15. It shall be lawful for any agricultural board, at or before the time for holding its annual fair, to select and appoint as many persons to act in the capacity of special police, as are by said board deemed requisite to insure peace and good order on or about the grounds, or place of holding such fair, for and during the time of holding the same: *Provided*, that such person, before entering upon the duties of special police, shall receive his authority from and take the oath of office administered by any judge or justice of the peace, or other officer authorized to administer oaths, residing or holding his office in the town or municipal corporation most contiguous to the fair ground or place of holding such fair, and shall receive from such judge or justice a certificate, under seal, of his appointment and authority to act as such special police, which shall be indicated by some appropriate badge of office, and when so authorized he shall be clothed with full police powers.

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PENALTIES.

§ 16. Whoever trespasses upon any fair grounds, or commits any depredations upon the property of any agricultural board or society, by cutting or destroying any timber or trees, breaking or carrying away any box, trough, stall, bench, fence, lock, door, gate, lumber or other appurtenance to any fair ground, whether within or without the inclosure thereof, shall be fined not less than five nor exceeding two hundred dollars, and shall be liable civilly for all damages sustained by such wrongful act.

§ 17. Whoever shall keep any shop, booth, tent, wagon, vessel, boat, or other place, for the sale of spirituous liquors, or expose for sale, or sell, give away or otherwise dispose of any spirituous liquors, or engages in gaming, at or within two miles of the place where any agricultural, horticultural or mechanical fair is being held, shall, for each offense, be fined not less than five nor more than one hundred dollars: *Provided*, this section shall not affect tavern-keepers, distillers, or others exercising their calling at their usual places of business.

§ 18. Any person violating the provisions of the preceding section may be arrested upon view, or upon warrant, by any sheriff, coroner, constable or other officer authorized to make arrests; and such officer may also seize the booth, tent, wagon, vessel or boat, and articles to be sold, and convey the same before a justice of the peace, with the offender, and upon a judgment being rendered against the offender, the same may be sold upon the execution issued upon such judgment; and if sufficient property is not found to satisfy such fine, the offender may be committed to the county jail until the fine and costs are paid, or the prisoner discharged according to law.

§ 19. The following acts are hereby repealed: "An act to prevent the sale of spirituous liquors and other articles of traffic, at or near agricultural fair grounds," approved February 13, 1857; "An act to protect fair grounds and fair ground property," approved March 29, 1869; "An act to create a Department of Agriculture in the State of Illinois," approved April 15, 1871; "An act concerning the reorganization of County Agricultural Societies, in conformity to 'an act to create a Department of Agriculture in the State of Illinois,' approved April 15, 1871, approved April 18, 1873;" but the repeal of said acts shall not affect any suits that may be pending, or any rights that have accrued, when this act shall take effect.

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ACKNOWLEDGMENT.

By courtesy of the publishers, the following publications have been regularly received, for the year 1874, and filed in the office of the State Board of Agriculture, at Springfield:

Name of paper.	Where Published.	Name of Publisher.
Prairie Farmer	Chicago, Ill	Prairie Farmer Company
Western Rural	"	H. N. F. Lewis
Young Folks' Monthly	"	H. N. F. Lewis
Western Farmer	Madison, Wis	Morrow Brothers
Country Gentleman	Albany, N. Y	L. Tucker & Sons
Rural Sun	Nashville, Tenn	Rural Sun Company
Daily State Register	Springfield, Ill.	E. L. Merritt & Bro
Weekly Pantagraph	Bloomington, Ill	W. O. Davis
Farmer's Home Journal	Lexington, Ky	Duncan & Gibson.
Gazette	Jonesboro, Ill	T. F. Bouton
Western Agriculturist	Quincy, Ill	T. Butterworth
Gazette	Corvallis, Oregon	Wm. B. Carter
National Live Stock Journal	Chicago, Ill	Geo. W. Rust & Co
Poultry Record	Farmington, Ill	C. W. Heaton
Daily National Democrat	Peoria, Ill	W T. Dowdall
Swine and Poultry Journal	Cedar Rapids, Iowa	Ward & Darrah

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TREASURER'S REPORT.

ILLINOIS STATE BOARD OF AGRICULTURE,

In account with JOHN W. BUNN, *Treasurer.*

1874.	Cr.		
January 7—By balance		$19,620 74	
July 1—By amount received from State		3,000 00	
Sept. 18— " "	from Peoria Fair	21,529 85	
Sept. 18— " "	of Poultry Association for premiums	245 00	
Dec. 31— " "	interest on U. S. bonds	415 00	
			$44,810 59
1874.	Dr.		
To expenses of Board at Winter Meeting		$303 75	
To traveling expenses of Board		1,505 18	
To agricultural papers		315 00	
To postage		201 88	
To printing and stationery		1,338 88	
To office expenses		144 21	
To " library		108 90	
To " express charges		154 68	
To " rent		250 00	
To hotel bills and meals at Peoria		808 13	
To ice and hauling water		61 15	
To hay		649 80	
For hauling hay and straw		86 00	
To Peoria Fair Association		200 00	
To music		240 00	
To use of engine		300 00	
To livery		279 00	
To police		739 50	
To assistant superintendents		726 60	
To clerks for secretary		273 45	
To clerks for treasurer		206 00	
To gate-keepers		526 00	
To lumber and labor on grounds		544 00	
To blankets		59 15	
To sundry expenses at Fair		85, 50	
To surveying for field trial		31 04	
To expenses Quincy suit		69 50	
To " farm committee		104 96	
To " D. B. Gilliham, National Agricultural Convention		79 30	
To Secretary's salary		2,000 00	
To Treasurer's salary		503 79	
To ribbons		80 40	
To aquaria		558 92	
To expenses of aquaria		205 94	
To silver plate		300 00	
To premiums		12,541 00	
To $10,000 U. S. bonds		11,250 00	
To balance		6,978 98	
			$44,810 59

SPRINGFIELD, *January* 7, 1875.

JOHN W. BUNN, *Treasurer.*

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REPORT.

To His Excellency, the Governor of Illinois:

SIR—Herewith is submitted the journal of the proceedings of the State Board of Agriculture for the year 1874, together with statements of exhibiters in competition for premiums offered by the Board, list of premiums awarded at the twenty-second annual State Fair, etc.

The Treasurer's report, also herewith submitted, shows a handsome increase of the balance in the treasury, as compared with the amount on hand when the present Board came into office.

Reports from County Agricultural Boards show a more general response than has been before secured. Most of these are confined to an enumeration and classification of entries at the annual fairs, and the amount paid in premiums. It has been the effort of the State Board to secure more comprehensive reports of the operations of County Agricultural organizations than is afforded by a mere tabular exhibit of the operations connected with their annual exhibitions. There is every promise that a continuance of the cordial relations between the State Board and the county organizations, will result in securing that end.

The fair association of Hardin county re-organized as a County Agricultural Board, on the 7th day of November, 1874, notice of which action was filed in the office of the State Board of Agriculture, November 12th, 1874.

The State Board of Agriculture very forcibly realizes the disadvantages under which it is compelled to labor by reason of the almost entire absence of statistical information concerning the productions of the State. What little is collected by county and township assessors is unreliable, and its promulgation untimely, placing our State at great disadvantage, when brought into comparison with such other States as have not so long overlooked the necessity for an annual inventory of their resources. All that has heretofore been said in behalf of a law for the collection and timely publication of such statistics as may be necessary to a thorough understanding of the resources of our State, is here reiterated, with such emphasis as time and experience may be able to give.

Credits to the several counties from which money has been received, and vouchers for every item of expenditure made, are in the hands of the Treasurer of the Board, and by him will be laid before you as required by law.

Submitted on behalf of the State Board of Agriculture.

Very respectfully,

A. M. GARLAND,

SPRINGFIELD, ILL., *January* 20, 1875. *Secretary.*

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TRANSACTIONS OF STATE BOARD OF AGRICULTURE

SINCE CLOSE OF WINTER MEETING, GIVEN IN LAST REPORT.

PEORIA HOUSE, *September* 14, 1874.

Board met in special session.

Mr. Ellsworth was called to the chair.

Present: Vice-Presidents Ellsworth, Emery, Periam, Herrington, Rosenstiel, Stone, Dunlap, Douglas, Jones, Goltra, Fisher, Scott, Russell and Landrigan.

Superintendents made report of progress in their several Departments.

Secretary reported illness of Mr. Snoad, and his consequent inability to meet with Board.

Upon the recommendation of Mr. Snoad, C. F. Mills was appointed Assistant Superintendent in Class E—Poultry.

Mr. Emery was appointed Superintendent *pro tem.*, in Class C—Sheep.

Mr. Jones moved that the State Poultry Association be forbidden to charge an entry fee on entries for special premiums offered by said Association, and that money so paid be refunded; which motion was not adopted.

On motion of Mr. Goltra,

The Superintendent in Class H was authorized to make such additions to the room in his Department as the entries therein may require.

Secretary laid before the Board communications from sundry horse breeders, asking that a premium be offered for the largest and best breeding stud of horses.

On motion of Mr. Stone,

Laid over until the Winter meeting.

On the further motion of Mr. Stone,

The request of exhibiters of Pianos for the award of a premium at this Fair was laid over until Winter meeting.

The Committee present during the field trial of implements, held September 8–10, reported, viz:

Your Committee, whose duty it was to pass upon the Implements and Machines presented at Peoria on the 8th instant, in accordance with the programme adopted and published by the Illinois State Board of Agriculture, found the following entries had been made:

SULKY PLOWS.

George Seigel, Carlinville, Ill.	Corr's patent.
Champaign Plow Company, Champaign, Ill.	Gilbert's patent.
Briggs & Enoch, Rockford, Ill.	Skinner's patent.
Earlville Manufacturing Co., Earlville, Ill.	Curtis' patent.
Furst & Bradley Manufacturing Co., Chicago, Ill.	Davenport's patent.
William Starling, Halleck, Ill.	Starling's patent.
John Ayer, Rock Island, Ill.	Ayer's patent.
Parlin & Orendorff, Canton, Ill.	Thompson's patent.
H. B. Durfee, Decatur, Ill.	Sattley's patent.

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GANG PLOWS.

Briggs & Enoch, Rockford, Ill.....Skinner's patent.
R. J. McKeighan, Yates City, Ill.....McKeighan's patent.
Earlville Manufacturing Co., Earlville, Ill.....Curtis' patent.
Furst & Bradley Manufacturing Co., Chicago, Ill.....Davenport-s patent.
Deere & Co., Moline, Ill.....Deere's patent.

SULKY ATTACHMENT.

L. Yinger, Indianapolis, Ind.....Yinger's patent.

HEDGE TRIMMER.

Payne & Reynolds.....Eureka, Illinois.

The field selected for the trial of Plows was on oat stubble, with very little to obstruct the free working of the plows, surface somewhat uneven, stony in spots, and quite adhesive in some parts, requiring the highest finish and hardest temper of mold to go through without clogging.

The land was laid off in half-acre lots, with little if any choice, and assigned to the several contestants by drawing for numbers.

SULKY PLOWS.

The nine Sulky Plows were first tested. Each plowman was required to commence work in the center of the land, and finish up at the sides, keep an uniform depth of six inches, and such width as the plow was adapted to. Each plow was subjected to a draft test by the dynamometer, and the draft to quantity of earth moved carefully calculated.

The points considered by your Committee, aside from the draft, were *Durability*, so far as could be judged from the material used in the construction of the plows, and the probable wear by use and exposure; *Quality of work*, as shown by the pulverization of the soil, covering of rubbish, and the general appearance of the land when completed; *Facility of adjustment*, in adapting the plow to the various styles of plowing and number of horses attached, controlling width and depth of furrow, winging, etc.; *Price*, given the Committee as the retail shop price of the implement.

In all these points we found the manufacturers had reached a high degree of perfection, and were entitled to the good reputation they enjoy among those using their plows.

Were it not for the help of figures, as shown in the annexed tables, the Committee would have experienced great difficulty in arriving at a decision.

A scale of 50 points was adopted as a basis or standard of perfection, of which *Ease of draft* is 10; *Facility of adjustment*, 10; *Durability*, 10; *Quality of work*, 15; *Price*, 5.

The summing up shows that the Sulky Plow entered by John Ayer, of Rock Island, Ill., is entitled to the premium offered.

GANG PLOWS.

The five Gang Plows were next tested. The same scale of points was adopted, and the same calculations made, as in the trial of Sulky Plows, and the result shows that the plow entered by Deere & Co., of Moline, Ill., is entitled to the premium offered.

WM. KILE.
GEO. W. STONE,
H. D. EMERY,
Committee.

PEORIA, *September* 10, 1874.

On motion of Mr. Goltra,
The report was accepted, and awards ordered paid.
On motion of Mr. Goltra,
Adjourned to Tuesday evening, September 15.

PEORIA HOUSE, *September* 15—8 *P. M.*

Board met, pursuant to adjournment.

Present: President Reynolds, Ex-President Brown, Vice-Presidents Ellsworth, Emery, Periam, Herrington, Rosenstiel, Stone, Dunlap, Douglas, Jones, Goltra, Fisher, Scott, Kile, Russell, Gillham, Parker, Landrigan.

Petition of sundry exhibiters of horses for the establishment of a lot for Imported Draft Horses, was laid before the Board.

Whereupon, on motion, the subject was laid over until the Winter meeting of the Board.

President called attention to the request of certain exhibiters in lot 16—Roadsters.

Mr. Herrington moved to add to lot 16 a first premium of $25, and second premium of $15, for best Brood mare, 4 years old and over. Lost—Ayes 5, nays 14.

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Those voting in the affirmative were Messrs. Reynolds, Ellsworth, Herrington, Douglas and Jones.

Those voting in the negative were Messrs. Brown, Emery, Periam, Rosenstiel, Stone, Dunlap, Goltra, Fisher, Scott, Kile, Russell, Gillham, Parker and Landrigan.

The supplying of additional stalls for horses and cattle, should any be needed, was referred to the Superintendent of Grounds and the Superintendent of Forage and Stalls, with full power to act for the Board.

On motion, it was

Ordered, That the Convention for election of members of State Board of Agriculture meet on the Fair Grounds, at Secretary's office, at 3:30 P. M., Wednesday.

Adjourned.

CONVENTION OF DELEGATES.

FAIR GROUNDS, PEORIA, *September* 16, 1874—3:30 *P. M.*

The Convention of Delegates for election of members of the State Board of Agriculture met at the Secretary's office.

President Reynolds called the Convention to order, and called for the reading of the by-laws of the Board governing the election.

Mr. Landrigan, of Edwards county, moved the appointment of a Committee of five to examine and report upon Credentials of Delegates. Carried.

The President appointed as such Committee, Messrs. Landrigan, Durley, Scott, Ellsworth and Pullen.

After the examination of Credentials, the special Committee reported as follows:

Adams County Board	T. Butterworth, K. K. Jones, J. S. Wood.
Bond "	A. J. Gulleck.
Bureau "	J. W. Templeton, B. F. Cox, J. H. Elliott.
Carroll "	W. A. J. Pierce, A. B. Hostetter.
Cass "	J. Milt. Epler, Robt. Hall, T. J. Crum.
Champaign "	D. Gardner, Albert Dunlap. J. R. Scott.
Christian "	J. M. Simpson, W. T. Baker, T. P. Wilkins.
Clay "	B. Pullen.
Clinton "	A. J. Randall, O. B. Nichols.
Cook "	Benj. Chase, C. H. Dolton, Jas. Wadsworth.
Crawford "	Wm. Updyke, E. O. Steele.
DeKalb "	Edwin Waite, Wm. Patton.
DeWitt "	W. B. Rundle, Dan'l Thompson B. L. Chenoweth.
DuPage "	L. Ellsworth, H. L. Bush, Daniel Kelly.
Edgar "	W. O. Wilson, W. B. Webster, W. S. O'Hair.
Edwards "	John Landrigan.
Effingham "	John Landrigan.
Fayette "	J. W. McCord.
Franklin "	John Landrigan.
Ford "	Wm. Noel, F. T. Putt, C. H. Frew.
Fulton "	I. T. Atwater, A. C. Babcock, C. T. Heald.
Gallatin "	M. M. Pool, A. M. L. McBane.
Greene "	L. S. Eldred, W. H. Ellis, G L. Burrus.
Grundy "	Wm. H. Perkins, Aaron Harford, Seneca Tupper.
Hancock "	A. C. Hammond, B. Whitaker, — Hopper.
Hamilton "	John Landrigan.
Hardin "	John Landrigan.
Henderson "	John Rice, A. McDougall, S. Hutchinson.
Henry "	F. G. Welton, P. H. Beveridge, N. B. Gould.
Iroquois "	Luther T. Clark, W. H. Mann.
Jasper "	Wm. Trowbridge.
Jefferson "	J. C. McConnell.
Jersey "	H. O. Goodrich, Jeremiah Beaty, W. H. Fulkerson.
JoDaviess "	James M. Harris, D. Wilmot Scott.
Kane "	Geo. W. Renwick, J. Herrington, J. Stewart.
Kankakee "	C. B. Foster, A. E. Davis, J. Baker.
Kendall "	Jno. S. Seely, J. A. Godard, Andrew Welch.
Knox "	Isaac Hunter, C. M. Hall, C. A. Hinkley.
Lake "	C. C. Parks, T. H. Payne, John Easton.
LaSalle "	J. E. Rathburn, Wm. Reddick, J. Wood.
Lawrence "	S. Gillespie, Thomas Kirkwood.
Lee "	H. P. Noble, Sam'l Dysart, Abijah Powers.

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Logan County Board		A. J. Ludlam, Daniel McFarland.
Macon	"	J. H. Pickrell, W. H. Mason, H. C. Johns.
Macoupin	"	H. J. Loomis, W. M. Chiles, R. M. Bell.
Madison	"	V. P. Richmond, A. T. Rogers. C.W. Fangenroth.
Mason	"	L. Dearborn, I. N. Mitchell, Wm. Waugh.
Marshall	"	Geo. M. Motter. Geo. Wightman, Geo. Scholes.
McDonough	"	James Manly, Thompson Chandler, C.V. Chandler.
McHenry	"	James Crow, Benjamin Carpenter, L. Woodard.
McLean	"	W. M. Smith.
Menard	"	E. S. Swiney, J. G. Strodtmann, W. H. Marbold.
Mercer	"	G. D. Miller, Robert Candor, L. B. Morey.
Morgan	"	O. D. Fitzsimmons, S. Dunlap, W. C. Carter.
Monroe	"	August Croker.
Moultrie	"	C. L. Roane, John W. Dawson
Ogle	"	J. L. Moore, C. W. Sammis, D. G. Shottenkirk.
Peoria	"	John A. Bash, John A. McCoy, J. Littleton.
Pike	"	C. Turnbull, E. N. French, B. F. Dorsey.
Pope	"	John Gilbert, A. D. Pierce, G. Thompson.
Putnam	"	P. B. Durley, W. Durley, S. G. Leech.
Randolph	"	D. R. McMaster, J. P. Wilson, B. Crawford.
Richland	"	Sabins Baird.
Rock Island	"	W. L. Sweeney, Jas. Cook. Charles Laflin.
Saline	"	John Landrigan.
Sangamon	"	E. F. Ilea, A. B. McConnell, George M. Caldwell.
Schuyler	"	Simon Doyle, M. W. Green, S. B. Montgomery.
Scott	"	M. W. Rigge, M. M. Hawk.
Stark	"	W. H. Oliver, Henry Caldwell, A. J. Finley.
St. Clair	"	Edward Wm. West, M. T. Stookey.
Stephenson	"	L. K. Scofield, Wm. Young, John Swansey.
Tazewell	"	J. W. Robison, B. S. Prettyman, C. B. Cummings.
Vermilion	"	J. G. Holden, H. Sadowsky, A. Gilbert.
Wabash	"	J. B. Ramsey.
Warren	"	John B. Meginnes, Chauney Hardin.
Washington	"	G. F. Lowe, Perry Pixley, L. B. Baldwin.
Wayne	"	John Landrigan.
White	"	John Landrigan.
Whiteside	"	D. N. Foster, S. T. Osmer, J. W. Stewart.
Will	"	J. L. Owens, W. T. Nelson, Chas. L. Kercheval.
Winnebago	"	George S. Haskell
Woodford	"	C. D. Banta, J. A. Ranney, Charles Rich.

Your Committee on Credentials have examined the papers refered to them, and find the foregoing delegates entitled to vote at this election:

[Signed.]

JOHN LANDRIGAN, *Chairman*,
JAMES R. SCOTT,
W. DURLEY,
B. PULLEN,
LEWIS ELLSWORTH,
Committee.

President Reynolds nominated as permanent Chairman of the Convention, Edward William West, of St. Clair county; which nomination was ratified by the Convention.

On motion of Mr. Landrigan,

A. M. Garland was chosen Secretary of the Convention.

On motion, the Convention voted that where delegates are not full, those present be allowed to cast the full vote of the county.

Whereupon, the Convention proceeded to the election of members of the State Board of Agriculture for the years 1875 and 1876, with the following result:

President			D. B. GILLHAM	*Alton.*
Vice-Presidents—	1st	District	LEWIS ELLSWORTH	*Naperville.*
" "	2d	"	H. D. EMERY	*Chicago.*
" "	3d	"	JONATHAN PERIAM	*Chicago.*
" "	4th	"	JAMES HERRINGTON	*Geneva.*
" "	5th	"	C. H ROSENSTIEL	*Freeport.*
" "	6th	"	SAMUEL DYSART	*Franklin Grove.*
" "	7th	"	W. J. NEELY	*Ottawa.*
" "	8th	"	EMORY COBB	*Kankakee.*
" "	9th	"	A. J. DUNLAP	*Galesburg.*
" "	10th	"	SAMUEL DOUGLAS	*Monmouth.*
" "	11th	"	D. E. BEATY	*Jerseyville.*
" "	12th	"	J. W. JUDY	*Tallula.*
" "	13th	"	S. D. FISHER	*Atlanta.*
" "	14th	"	JOSEPH R. SCOTT	*Champaign,*
" "	15th	"	E. H. BISHOP	*Effingham.*
" "	16th	"	W. H. RUSSELL	*Sandoval.*
" "	17th	"	M. T. STOOKEY	*Belleville.*
" "	18th	"	D. T. PARKER	*Cairo.*
" "	19th	"	JOHN LANDRIGAN	*Albion.*

Whereupon, the Convention adjourned, *sine die.*

A. M. GARLAND, *Secretary.*

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PEORIA HOUSE, *September* 17, 1874—8 P. M.

Board met, on call of the President.

Present: President Reynolds, Ex-President Brown, Vice-Presidents Ellsworth, Emery, Herrington, Rosenstiel, Stone, Cobb, Dunlap, Douglas, Jones, Fisher, Scott, Kile, Russell, Gillham and Landrigan.

On motion of Mr. Brown,

A premium of $30 was awarded to best fat cow exhibited in lot 10, class A.

The Secretary laid before the Board the protest of Jas. G. Strawn, against the award of 1st premium on 3 year old filly, in lot 15, class B.

Mr. Jones moved that a Committee of three be appointed to examine pedigree of the animal questioned, with power to act for the Board.

Carried, and President appointed, as such Committee, Messrs. Herrington, Landrigan and Gillham.

The communication from W. J. Edwards, requesting permission to test Ditching Machine, coming up—[See paper marked "C."]

Mr. Jones moved the appointment of a Committee to superintend and report upon a trial of the machine of Mr. Edwards.

Mr. Goltra moved to amend, by reporting the matter to Mr. Jones, Superintendent of Class F, section 2, with power to appoint a Committee to report to the Board. Carried.

On motion of Mr. Stone,

A special premium of $10 was allowed for exhibition of R. W. Spader, in Class L, Lot 82.

On motion of Mr. Douglas,

Ordered that stock and articles now on exhibition be allowed to pass from the grounds at 4 o'clock, Friday afternoon.

Mr. Scott in the Chair.

Mr. Brown moved that a Committee of three be appointed to prepare and present to the retiring President, Mr. Reynolds, the usual testimonial of appreciation by the Board, of valuable services rendered as its presiding officer.

Carried, and the Chairman, *pro tem.*, appointed as such Commitee, Messrs. Brown, Cobb and Gillham.

Adjourned, to Friday evening at 8 o'clock.

PEORIA HOUSE, *September* 18, 1874—8 P M.

Board met, pursuant to adjournment.

Present: President Reynolds, Ex-President Brown, Vice-Presidents Ellsworth, Emery, Periam, Herrington, Rosenstiel, Cobb, Dunlap, Douglas, Jones and Landrigan.

Minutes of previous meeting were read and approved.

Mr. Landrigan laid before the Board a protest by A. G. Carle against the award of premium on horses to W. H. Hartley.

On motion of Mr. Cobb,

Ordered that the Secretary be instructed to investigate and report at the winter meeting of the Board.

Mr. Landrigan laid before the Board the protest of James G. Strawn against the award on Sweepstakes Stallions, on the ground that the pedigree of the successful animal is spurious.

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On motion, the protest was referred to a Committee consisting of Messrs. Herrington, Dunlap and the Secretary, for investigation, and report at the winter meeting of the Board.

The following protest of sundry plow manufacturers against the award on Gang and Sulky Plow, exhibited at field trial of September 8–10, on the ground, was laid before the Board, viz:

FAIR GROUNDS, ILLINOIS STATE FAIR, *September* 18, 1874.

To the Honorable Board of Agriculture:

We, the undersigned, respectfully submit the following protest against the award made upon Gang and Sulky Plows, inasmuch as we have reason to believe, and will establish the fact, that said award was obtained through misrepresentations to your Committee relating to *retail* prices of same.

We would respectfully ask that your honorable Board investigate the matter, and withhold the award until we can be heard.

In the scale of points governing the awards, the *retail price* was allowed five points. The Sulky Plow obtaining the award was priced at $45, while the retail price at Factory is $60 and $65. The Gang Plow receiving the award was priced at $85, while the retail price at shop is $95 and $100, and then, by misrepresentation of above facts, we believe, resulted in the awards being made by your honorable body.

H. B. DURFEE, Decatur,
CHAMPAIGN PLOW COMPANY,
WILLIAM STARLING,
GEO. SEIGEL, Carlinville,
FURST & BRADLEY MANF'G CO., Chicago,
ROBERT NEWTON,
BRIGGS & ENOCH per SKINNER,
EARLVILLE MANF'G CO.—T. H. CUNNINGHAM, Sec'y,
F. W. THOMPSON, Canton.

On motion of Mr. Herrington,

The Board reconsidered the vote by which the report of Committee on trial was adopted, and award of medals ordered.

On motion of Mr. Reynolds,

Messrs. Emery, Gillham, Douglas and the Secretary were appointed a Special Committee to investigate the facts in the case—and to make a final decision—reporting their action to the Board.

Mr. Periam moved the appointment of a Special Committee of three to attend the Flora Fair, and witness and report upon the working of the Wauchope Ditching Machine.

Carried, and the Chairman *pro tem.*, appointed as said Committee Messrs. Landrigan, Periam and Gillham, with power to fill vacancies in their number.

Mr. Gillham reported, viz:

The trial of Grain Binders ordered by your body to take place upon my farm, on the 23d of June, 1874, under my control and management was, so far as that day was concerned, a failure—as not a binder made its appearance on that day.

It is but justice, however, for me to say what I know to be the fact, that the Locke Binder, manufactured by the Walter A. Wood Manufacturing Co., of Hoosac Falls, N. Y., was shipped for the exhibition and trial, some three weeks prior to the day, and, owing to carelessness of railroads, did not reach the place until a day or two afterwards. My own harvest having been finished, it was set to work and worked through the harvest of the Hon. Z. B. Job, of Madison county, adjacent to my farm. Anxious to see machine for that purpose I went to see it operate, and spent some three or four hours watching its work; the result was to satisfy my mind that the machine has reached the point of practical utility, and worthy the attention of the grain growers of this country. In my opinion had it reached my place upon the day set for trial, it would have received high recommendation, and been awarded the medal which you offered.

D. B. GILLHAM,
Sup't of Trial of Binder.

Which report was received and adopted.

Adjourned.

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AGRICULTURAL ROOMS, SPRINGFIELD, *January* 5, 1875.

State Board of Agriculture met in regular annual session.

President Reynolds in the chair.

Present: President Reynolds, Ex-President Brown, Vice Presidents Periam, Herrington, Snoad, Dunlap, Douglas, Goltra, Fisher, Scott, Kile, and Gillham.

Minutes of the several meetings held during the State Fair were read and approved.

Mr. Brown, chairman of special Committee on rooms in the new State House, made verbal report.

Mr. Goltra laid before the Board the invitation from the Central Illinois Poultry Association.

On motion of Mr. Goltra,

Laid over until Wednesday morning.

The protest of the award of second premium on thoroughbred stallion—class B, lot 24, entry 10—to J. Welch, coming up, sundry papers offered in evidence were read; whereupon,

On motion of Mr. Goltra,

Ordered that the facts, alleged in the protest, be sustained; but a correct pedigree having been furnished, the Secretary is instructed to pay the premium of $25, heretofore withheld by order of the Board.

On motion of Mr. Snoad,

A special committee of three was ordered to report upon essays on Road making, submitted in competition for premium.

Chair appointed as such Committee, Messrs. Snoad, Scott and Brown.

Papers on "Grain Inspection in Chicago," and "Flora of Wabash County," were submitted, and referred to a special committee, consisting of the President, Mr. Brown and the Secretary.

A paper on "The Artesian Wells of Iroquois and surrounding Counties," prepared by G. W. Seavy, Esq., was read.

Mr. Kile moved that the paper be approved and published with the Transactions of the Board.

Mr. Douglas moved that the motion of Mr. Kile lie on the table, which was not adopted; whereupon, the motion of Mr. Kile was adopted.

On motion of Mr. Gillham

The examination of Fruits, Wines, Grains, etc., was made the special order for Wednesday evening, 8 o'clock.

On motion of Mr. Goltra,

Adjourned until Wednesday morning, 9 o'clock.

WEDNESDAY, *January* 6, 1875—9 *o'clock A. M.*

Board met pursuant to adjournment.

President Reynolds in the chair.

Present: President Reynolds, Ex-President Brown, Vice President Emery, Periam, Stone, Snoad, Cobb, Dunlap, Douglas, Jones, Goltra, Fisher, Scott, Kile and Gillham.

The journal of yesterday's proceedings was read and approved.

Mr. Emery, from the special Committee on the protest of sundry exhibiters of plows at the Field Trial in September, reported, viz:

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Your Committee, to whom was referred the decision of the Board upon the Field Trial of Plows, accompanied by protest of manufacturers and exhibiters, beg leave to report:

Correspondence was at once opened with all contestants, and a meeting was arranged for October 6, 1874.

As the protest was based upon supposed incorrect statements as to retail price of implements, your Committee confined their investigations to that point. The charge in the protest was sustained, and Messrs. Deere & Co., of Moline, Ill, and John Ayer, of Rock Island, Ill., were allowed to correct the prices given at the trial, on the ground that the parties representing them had given wholesale instead of retail rates. Statements of prices were received from all other interested parties wishing to be heard, and corrections made where desired.

Your Committee, after hearing all the testimony, and reviewing the calculations in the table referred to them, and making such slight alterations as the change in prices rendered necessary, unanimously reaffirm the decision of the Acting Committee at the Field Trial, awarding a Grand Gold Medal to John Ayer, for best Sulky Plow and also to Deere & Co., for best Gang Plow.

The tables as revised by your Committee are herewith submitted.

All of which is respectfully submitted,

[Signed]

H. D. EMERY,
D. B. GILHAM,
SAML. DOUGLAS,
Special Committee.

TABLE *showing results of tests and conclusions of committee at the field trial of Sulky Plows, Peoria, Ill., September* 9, 1874.

Exhibiters.	Depth of furrow in inches	Width of furrow	Draft in pounds	Draft to square inches	Shop price—net cash	Conclusions of Committee.					
						Adjustability	Quality of work	Durability of machinery	Draft points	Price points	Total points
Perfection	....	....	.....	.....	.....	10	15	10	10	5	50
George Seigel	6	15	444.73	4.941	$60 00	8.75	12.50	8	7.45	4.16	40.86
Champaign Plow Co.	6	16½	358.88	3.680	60 00	7.75	11.50	5	10.00	4 16	38.41
Briggs & Enoch	6	15	412.50	4.583	57 00	8.75	14 00	9	8 03	4.38	44.16
Earlville Manufacturing Co.	6	16	454.73	4.736	58 50	8.75	13.75	8	7.77	4 27	42.54
Furst & Bradley	6	15½	394.55	4.312	58 50	7.75	14.00	9	8.53	4.27	43 55
William Starling	6	14	448.40	5.338	50 00	7.75	13.50	8	6.89	5 00	41.14
John Ayer	6	15	403.75	4.485	60 00	8.13	15.00	10	8.20	4.16	45.49
Parlin & Orendorff	6	16½	444.14	4.419	55 00	7 00	13.25	8	8.32	4.54	41.11
H. B. Durfee	6	15⅓	462.50	4.973	60 00	9.75	14.00	9	7.40	4.16	44.31

TABLE *showing results of tests and conclusions of committee, at the field trial of Gang Plows, Peoria, Ill., September* 9, 1874.

Exhibiters.	Depth of furrow—inches	Width of furrow—inches	Draft in pounds	Draft to square inch	Shop price—net cash	Conclusions of Committee.					
						Adjustability	Quality of work	Durability of machinery	Draft points	Price points	Total points
Perfection	....	....	.....	.....	.....	10	15	10	10	5	50
Briggs & Enoch	6	23⅜	593.75	4.166	$85 00	9.00	15.00	8	7 02	4.41	43.43
R. J. McKeighan	6	25	615.00	4.046	75 00	8 50	13.75	8	7.23	5.00	42.48
Earlville Manufacturing Co.	6	24½	553.21	3.788	85 00	8.50	13.00	8	7.72	4.41	41.63
Furst & Bradley	6	24½	430.53	2.939	80 00	9 00	13.50	9	9.96	4.63	46.09
Deere & Co.	6	23⅜	417.30	2.928	100 00	10.00	15.00	10	10.00	3.75	48.75

On motion of Mr. Dunlap,
The report was received and adopted.

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The invitation to attend the exhibition under the direction of the Central Illinois Poultry Association, coming up,

On motion of Mr. Goltra,

Resolved, That the thanks of the Board are tendered to the Central Illinois Poultry Association, and that the invitation be spread upon the journals of the Board.

The Board went into Committee of the Whole for the consideration of the miscellaneous entries at last State Fair, Mr. Gillham in the chair.

After some time spent in consideration of the miscellaneous list, and completing recommendations in the same, as noted in entry books, the Committee rose and asked to be discharged.

Whereupon, the action of the Committee of the Whole, as noted in entry books, was concurred in by the Board.

On motion of Mr. Goltra,

Adjourned to 3 o'clock P. M.

AFTERNOON SESSION.

Board met, pursuant to adjournment.

Present: President Reynolds, Vice-Presidents Emery, Periam, Stone, Snoad, Dunlap, Douglas, Goltra, Fisher, Scott, Kile, Gillham and Landrigan.

Mr. Landrigan, from Special Committee on Road-making Machine, reported, viz:

The Special Committee to whom was delegated the examination of the Wauchope Grader and Ditcher competing for the Grand Gold Medal of the State Board of Agriculture, offered for the best road-making machine, beg leave respectfully to report:

That they have examined the work done by the Wauchope Grader and Ditcher, at Flora, Ill., on October 1, 1874, Messrs. Landrigan and Fisher being present; Mr. Periam, who found it impossible to be at the trial, subsequently agreeing to examine the work done by this machine during the last five years in Central Illinois. Messrs. Landrigan and Fisher, therefore, make this as their report.

The machine, in six hours' time, did, with eight light horses unused to the work, and two men, cast up 71 rods of first class road, the wagon-way being 26 feet wide; ditches or water-way, 9 feet wide each, by 24 inches deep at the lowest point.

And further, that with it was made at intervals during the said Flora Fair, make upon the grounds, 1½ miles of ordinary roadway, as to material cost, and perfect in its shape and grade.

The machine is substantial in its workmanship, simple in its construction, and well adapted to the various requirements for excavating earth continuously and at light cost, on any of our ordinary prairie soils, and in the construction of roads and ditches. The construction of the machine is as follows:

It is supported upon 4 wheels, and operated by means of a plow which raises the material and casts it upon an endless belt elevator, running at right angles with the machine. This carries it to any required distance between 14 and 20 feet from whence it was taken from the ditch.

We are entirely satisfied that the machine fully accomplished what it was intended for, and would have felt, without further testimony, warranted in making the award.

Signed, JOHN LANDRIGAN,
S. D. FISHER,
Committee.

REPORT OF MR. PERIAM.

Having found it impossible to attend the trial of road making and of ditching machines at Flora, Ill., in order to satisfy myself so that I could speak from experience, I went to Clifton on December 24, that being the first time that I could get from my regular labors. From this point, taking a vehicle, I passed through the towns of Chebanse, Ashkum and Douglass, spending the entire day, ariving at Gilman, 13 miles distance in a straight line, about sundown. During this trip I examined all the principal roads and ditches in this section, and visited and conversed with farmers and Road Commissioners whenever I could find them. The results of which examination are hereby annexed

I was entirely satisfied that the machine in question, the Wavchope Grader and Ditcher, is in every way worthy of the award.

(Signed), JONATHAN PERIAM.

CONCLUSION.

We do, therefore, unanimously recommend that the prize, as specified in the premium list of our Board for 1874, be awarded to Mr. W. J. Edwards, the owner and exhibiter of the machine, the same as though it had been presented at the regular trial.

All of which is respectfully presented.

(Signed), JOHN LANDRIGAN,
S. D. FISHER,
JONATHAN PERIAM.

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On motion of Mr. Dunlap,

A silver medal was awarded to C. S. Adams, of Salem, Oregon, as premium upon Chronological Chart exhibited at last State Fair.

Mr. Gillham, delegate to the National Cheap Transportation Convention in 1874, reported; which report was received and adopted, viz:

REPORT OF MR. GILLHAM.

Gentlemen of the State Board of Agriculture:

As your delegate to the Convention of the National Cheap Transportation Association, convened in the city of Washington on the 14th of January last, I desire to report:

Arriving in the city the evening of the 13th, I was present at the opening and at each successive session, occupying four days, and including evenings.

The Convention, considered from a numerical stand-point, was meagre in point of representation as to what might have been expected from the magnitude of its object and the classes whose interests it had in view.

The only States fully represented were New York, Georgia, and our own. To the Illinois State Farmers' Association belongs the credit, more than any other organization in the State, for the influence she wielded in the convention. The other States represented were Indiana, Louisiana, Massachusetts, Michigan, Missouri, Minnesota, New Jersey, Ohio, Pennsylvania, Tennessee, Vermont, Virginia, and the Territory of Dacotah the most of whose delegates were members of Congress then in session, and as a consequence, had but little time to devote to the convention.

Meagre as was the representation by States—only fifteen States and one Territory participating—and to which the term "National" would scarcely apply, the body was composed of some of the leading minds of the Nation, true representative men, who had given the subject a careful consideration, and had the general welfare of the people really at heart.

Of the immediate transactions of the convention it is but a waste of your time for me to detail, as they were published by nearly every paper in the country, and were thoroughly commented upon and criticized by the Press generally, and especially by that of our own State.

Cheap transportation for the Nation's commerce was the sole object of the convention; and this is to-day the all-important object of the devotees of industry throughout the length and breadth of our land, and Illinois, with her immense productions, should not fail to do her share of the work of agitation, and thus assist in forcing on the work necessary to give the relief asked for. Something of a sectional feeling seemed to pervade the convention regarding the methods for relief to be proposed to Congress. The more Southern members, as a rule, putting in this old time plea for a National system of canals, backed up by lake, river and harbor improvements, while the Northern and more Eastern members advocated the building, by Government, a National double track freight railway across the country, from some point on the Missouri river to the seaboard at New York, with feeders from the leading commercial cities. This scheme did not please our Southern friends, as in it they failed to see where the old, and, to my mind, almost useless, Kanawha Canal scheme, that on which already some $10,000,000 have been expended, or the Tennessee river route, called the Atlantic and Great Western Canal, or the Chesapeake and Ohio Canal, all of which have had large sums expended upon them, would come in. As might have been expected, the committees on both water and railroad routes disagreed, and minority reports in both cases were submitted, and, as a matter of course, was compromised by taking a part of both as the basis of what should be recommended by Congress. This done in committee, the Southern gentlemen again put in a demurrer, under the doctrine of vested rights, declaring that neither Congress nor the Legislature of the State have power to regulate freight charges on existing railroads; that the right to regulate commerce did not carry with it the right to build railroads to carry on commerce; that carrying out the idea that a Legislative charter was a contract that no State, in its sovereign right, has the power to abrogate, no matter however oppressive they might prove.

This latter demurrer was tabled, and the compromise reports submitted to Congress as the basis of the relief asked for. For Illinois it includes the completion of the work already begun on the Illinois river, the extension of the Illinois and Michigan Canal to Rock Island, the improvement of the Mississippi river at its mouth and elsewhere, to give a good navigable outlet to the Gulf, and whatever interest we may have in the contemplated double track freight railway.

In conclusion, gentlemen, in the opinion of your delegate, the National Cheap Transportation Association is doing a great work by agitating the subject, creating a healthy sentiment among the people in that direction that will, sooner or later, have the effect to drive Congress into the work of relieving the country and the people of the flagrant abuses now being mercilessly practiced upon them by Transportation Companies, and in this, efforts to do this are deserving the recognition and encouragement of all State Governments as well as Industrial Associations.

Respectfully submitted,

D. B. GILLHAM.

On motion of Mr. Douglas,

The Commissioner of Agriculture at Washington was requested to forward any quota of grain and seeds apportioned to Illinois to the sufferers from grasshopper depredations.

Adjourned until 8 o'clock P. M.

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EVENING SESSION—EIGHT O'CLOCK.

Board met, pursuant to adjournment.

Present—President Reynolds, Ex-President Brown, Vice-Presidents Emery, Periam, Stone, Snoad, Cobb, Dunlap, Douglas, Jones, Goltra, Fisher, Scott, Kile, Gillham and Landrigan.

The special order, the Examination of Fruits, Wines, Grains, etc., coming up.

On motion of Mr. Brown.

A special committee was ordered to inspect and report upon Fruits.

The Chair appointed as such committee, Messrs. Periam of the Board, Anderson of Peoria and Spaulding of Riverton.

On motion of Mr. Goltra,

A special committee of three was ordered to inspect and report upon Grains and Seeds.

The Chair appointed as such committee, Messrs. Kile, Dulap and Scott.

On motion of Mr. Snoad,

A special committee of three was ordered to inspect and report upon Dairy products.

The Chair appointed as such committee, Messrs. Snoad, Fisher and Douglas.

On motion of Mr. Cobb,

A special committee of three was ordered to inspect and report upon Wines and Cider.

The Chair appointed as such committee, Messrs. Cobb of the Board, Pearson of Godfrey, Vandervoort of ———— and Winston of Springfield.

After recess the special committee on Wines and Cider reported, recommending that awards of premiums be made as follows, viz:

WINES.

Catawba, Springer Brothers, Springfield	Silver Medal.
Concord, Springer Brothers, Springfield	Silver Medal.
Delaware, Springer Brothers, Springfield	Silver Medal.
Norton's Virginia, Henry Funk, Bloomington	Silver Medal.
That from any Grape, Henry Funk, Bloomington	Silver Medal.

CIDER.

Hilliard & Son, Brighton	Silver Medal.

Report received and adopted.

Mr. Snoad, from special committee on Dairy Products, reported the following recommendations, which were adopted:

BUTTER IN ROLL.

Mrs. W. C. Flagg, Moro	1st Premium—$10 00.
Mrs. R. L. Pirkins, Springfield	2d Premium—$5 00.

BUTTER IN TUB OR FIRKIN.

Mrs. R. L. Pirkins, Springfield	1st Premium—$10 00.
Mrs. Wm. A. Bennett, Springfield	2d Premium—$5 00.

Adjourned until Thursday morning 9 o'clock.

THURSDAY, *January* 7, 1875—9 *o'clock A. M*

Board met, pursuant to adjournment.

Present—President Reynolds, Ex-President Brown, Vice-Presidents Emery, Periam, Stone, Snoad, Dunlap, Douglas, Jones, Goltra, Fisher, Scott, Kile and Gillham.

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The journal of Wednesday's session was read and approved.

Mr. Emery, from the standing committee on Farms and Nurseries, submitted the following report, which was received and adopted:

Your Committee, whose duty it has been to examine Farms, Nurseries, Vineyards, etc., report that there were two entries of farms; one of one hundred and sixty acres by W. J. Neely, in township of Grand Rapids, La Salle county, and one of less than one hundred and sixty acres by O. Barnard of Bloomington.

The farm of W. J. Neely is on an open prairie and conveniently divided and arranged for a stock farm to which it is principally devoted. While Mr. Neely is to be commended for the progress he has made in opening this farm, we cannot see merit enough as a *model farm* to warrant us in recommending the award of premium on the same.

We also visited the farm of O. Barnard, at Bloonington, and, while making all allowances for the effects of the excessive drouth which has prevailed for the past two years, we do not feel warranted in recommending the award of premium on the same.

VINEYARDS.

There was but one entry, that of W. D. Neff, of Ottawa, whose statement accompanies this report. We found the premises to correspond with statement and in the very best condition, and we recommend the award of 1st premium, $25.

NURSERIES.

There were two entries of Nurseries, one by Spaulding & Co., of Howlett, and one by Arthur Bryant, Jr., of Princeton.

We found that of Arthur Bryant, Jr. in admirable condition, one of the peculiarities of the management being the mulch of oats seeded in August and allowed to grow between the rows of certain plants forming an admirable winter covering without danger of bringing in foul seeds. The cultivation was perfect, not a weed being found, even among the patches of corn cultivated on such portions of the place as happened to be free from Nursery stock. The stock embraces a pretty full line including useful and ornamental trees. The nursery was originally prairie. The required statement accompanies this report.

The nursery of Messrs. Spaulding & Co. was originally timber. The first work done was to clear it of stumps. It was then underdrained with tile in the most thorough manner. The arrangement of ground to facilitate ease of cultivation, handling and packing of stock is very convenient. The stock on the ground was in a healthy condition, no vestiges of the hard winters remaining, everything having been rooted up and destroyed. The stock embraces nearly the whole catalogue usually found in first class nurseries. The grounds were entirely free from weeds and the soil not muddy although there had been recent rains, showing the benefits of the drainage. The statement accompanying this report is in accordance with the requirements of the Board.

Your Committee therefore recommend the award of premiums as follows:

First Premium to Spaulding & Co., $25.

Second Premium to A. Bryant, Jr.,, $15.

A. J. DUNLAP,
H. D. EMERY,
JONATHAN PERIAM.

Mr. Periam, from Special Committee to inspect and report upon Fruits, submitted the following; which was received and adopted:

The Committee to whom was intrusted the examination of green fruits on exhibition at the Winter Meeting of the State Board of Agriculture, report that they have discharged that duty. The samples on exhibition were exceedingly fine and varied, as to varieties, rendering the labor of the Committee somewhat difficult in particular cases. We recommend that awards be made as follows:

Best collection of apples, not less than 10 varieties:	
B. Whitaker, Warsaw, 1st premium	$25
Goodrich Lightfoot, Springfield, 2d premium	15
Best 10 varieties of apples for Central Illinois:	
M. L. Dunlap & Sons, Champaign, 1st premium	20
W. H. Lightfoot, Springfield, 2d premium	10
Best 10 varieties of apples for Southern Illinois:	
W. C. Flagg, Moro, 1st premium	20
Best and most profitable 6 varieties of apples for market:	
Goodrich Lightfoot, Springfield, 1st premium	20
M L. Dunlap & Sons, Champaign, 2d premium	10

There were no samples of apples exhibited from Northern Illinois; neither were there any pears or grapes on exhibition.

The Committee cannot pass, without the highest commendation, the fine collection of apples from the farm of our fellow member, Hon. D. A. Brown, placed on the tables for exhibition but not entered for competition. There was no finer fruit on the tables, and the Committee desire to recommend this collection in the highest terms, not only for the fine size and beauty of the collection, but also for the general fairness of the samples.

JONATHAN PERIAM,
J. B. SPAULDING,
H. G. ANDERSON,
Committee.

Mr. Reynolds, from the Special Committee, to which was referred the paper on "The Flora of Wabash County," reported that, in the opinion of the Committee, the paper was not sufficiently comprehensive to entitle it to publication with the report of the Board.

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On motion of Mr. Goltra,

The report was received and adopted.

Mr. Snoad, from the Special Committee, to which was referred the essays on Road Making, submitted the following report; which was received and adopted:

To the State Board of Agriculture:

Your Committee, to whom was referred essays relating to Roads and Road Making, respectfully report that they have carefully examined such essays in their several bearings, upon the points mentioned in the requirements of the Board, as follows, to-wit:

For an essay on Roads and Road Making in Illinois—practical and exhaustive—a premium of.....$200

Such essay must be approved by the State Board, and must embody:

1. A comprehensive discussion of the subject in its relation to the development of a country.
2. A history of the several systems tried in the United States, and their adaptation to the conditions of the different sections of Illinois.
3. The kind and cost of materials best adapted to the construction of roads in Illinois, with reference to the varied conditions of soil, topography and locality.
4. Deductions drawn from history and experience, and suggestions by the author as to legislation upon the subject of highways best calculated to promote the highest interests of the people of the State.

And while said essays presented contain much valuable information upon the subject treated, they fall short of the requirements of the Board, in that they do not present the questions in the light of a practical and exhaustive treatise. We therefore report adversely to the award of premium offered.

Your Committee respectfully recommend that a special premium of fifty dollars be paid to W. J. Edwards, for his essay upon Roads and Road Making, and that the same be published in the Transactions of the State Board of Agriculture.

CHAS. SNOAD,
J. R. SCOTT,
D. A. BROWN,
Committee.

Mr. Kile, from the Special Committee to inspect and report upon Grains and Seeds, submitted the following report; which was received and adopted:

Your Committee, selected to award premiums upon Grains, Seeds and Vegetables, beg leave to report that they have made awards, as follows:

Late Potatoes:
W. O. Converse, Springfield, 1st premium $5
W. H. Lightfoot, Springfield, 2d premium 3

Early Potatoes:
W. H. Lightfoot, Springfield, 2d premium 3

Wheat:
Red Winter, W. O. Converse, Springfield, 1st premium 10
White Winter, W. O. Converse, Springfield, 1st premium 10

Rye:
W. O. Converse, Springfield, 1st premium 5

White Indian Corn:
Dan'l McFarland, McLean, 2d premium 5

Turnips:
W. H. Lightfoot, Springfield, 1st premium 4

Celery:
W. H. Lightfoot, Springfield, 1st premium 4

Field Beans:
W. H. Lightfoot, Springfield, 1st premium 5

Garden Peas:
W. H. Lightfoot, Springfield, 1st premium 2

Lima Beans:
W. H. Lightfoot, Springfield, discretionary premium 2

All of which is respectfully submitted.

WM. KILE,
D. B. GILLHAM,
A. J. DUNLAP,
Committee.

Mr. Periam, from Special Committee appointed at the last annual meeting to report upon the "Beet Sugar Manufacture in Illinois," asked for further time in which to report. Granted.

Mr. Scott in the chair.

Mr. Brown, from Special Committee to prepare and present a proper testimonial to the retiring President, Mr. Reynolds, reported that the duty assigned such Committee had been discharged; which report was received and adopted, and the Committee discharged.

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Mr. Reynolds, from Special Committee, reported that the paper on "Grain Inspection in Chicago," was not of such a character as to entitle it to publication with the Transactions of the Board; which report was adopted.

On motion of Mr. Kile,

Adjourned to 3 o'clock P. M.

AFTERNOON SESSION.

Board met, pursuant to adjournment.

Mr. Scott in the chair.

Present: Vice-Presidents Stone, Snoad, Cobb, Dunlap, Douglas, Jones, Goltra, Fisher, Scott, Kile, and Gillham.

John W. Bunn, Treasurer, submitted his annual report; which was referred, with accompanying papers, to the Standing Committee on Finance.

Mr. Cobb, from the Standing Committee on Finance, submitted the following report:

Your Committee, to whom was referred the Treasurer's report, beg leave to say that they have examined the same, and find vouchers, duly approved, for all items charged, and recommend its acceptance and approval.

E. COBB,
M. C. GOLTRA.
D. B. GILLHAM,
Finance Committee.

On motion of Mr. Dunlap,

The report was received and adopted.

On motion of Mr. Goltra,

The Board adjourned *sine die.*

JOHN P. REYNOLDS,
President.

A. M. GARLAND,
Secretary.

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LIST OF AWARDS

AT THE

ILLINOIS STATE FAIR FOR 1874.

CLASS A—CATTLE.

EMORY COBB, W. H. RUSSELL, *Superintendents.*

[Where State is not named, Illinois is to be understood.]

LOT 1—SHORT HORN BULLS.

Bull four years and over:
First premium to J. H. Spears & Son, Tallula, "Starlight" $30
Second premium to A. H. & J. B. Day, Utica, Iowa, "The Doctor" 20

Bull three years and under four:
First premium to Gus. Shropshire, Centreville, Ky., "Marquis" 30
Second premium to J. H. Pickrell, Harristown, "Breastplate" 20

Bull two years and under three:
First premium to C. E. Lippincott, Springfield, "Wonder" 30
Second premium to J. H. Potts & Son, Jacksonville, "Perry Jefferson" 20

Bull Calf one year and under two:
First premium to C. E. Lippincott, Springfield, "Cherub 2d" 25
Second premium to J. H. Potts & Son, Jacksonville, "Baron Lewis 2d" 15

Bull Calf under one year and over six months:
First premium to J. H. Kissinger, Clarksville, Mo., "Baron French" 20
Second premium to C. E. Lippincott, Springfield, "Master Winthrop" 10

Bull Calf under six months:
First premium to J. B. Ryburn & Bro., Bloomington, "Oxford Lee" 20
Second premium to J. B. Ryburn & Bro., Bloomington, "Sixth Duke of Randolph" 10

LOT 2—SHORT HORN COWS.

Cow four years and over:
First premium to A. C. Funk, Bloomington, "Olga 3d" $30
Second premium to J. H. Kissinger, Clarksville, Mo., "Illustrious 3d" 20

Cow three years and under four:
First premium to C. E. Lippincott, Springfield, "Grace Young 6th" 30
Second premium to J. H. Pickrell, Harristown, "Louan Hill 4th" 20

Heifer two years and under three:
First premium to J. H. Pickrell, Harristown, "Lady Bride" 30
Second premium to J. H. Pickrell, Harristown, "Caroline Cochrane" 20

Heifer one year and under two:
First premium to Gus. Shropshire, Centreville, Ky., "Miss Ottley" 25
Second premium to J. H. Pickrell, Harristown, "Gloster's Pride" 15

Heifer Calf under one year and over six months:
First premium to A. C. Funk, Bloomington, "Lily" 20
Second premium to J. H. Pickrell, Harristown, "Medora A" 10

Heifer Calf under six months:
First premium to J. H. Kissinger, Clarksville, Mo., "Mattie Garrard" 20
Second premium to J. H. Kissinger, Clarksville, Mo 10

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LOT 3—HEREFORD BULLS.

Bull four years and over:
First premium to Miller & Powell, Beecher, "Sir Charles" $30

Bull one year and under two:
First premium to Miller & Powell, Beecher, "Success" 25
Second premium to Miller & Powell, Beecher, "Prince" 15

Bull Calf under one year and over six months:
First premium to Miller & Powell, Beecher, "Royal Briton" 20
Second premium to Miller & Powell, Beecher, "Sir Charles 2d" 10

Bull Calf under six months:
First premium to Miller & Powell, Beecher 20

LOT 4—HEREFORD COWS.

Cows over four years and over:
First premium to Miller & Powell, Beecher, "Dolly Varden" $30
Second premium to Miller & Powell, Beecher, "Mary" 20

Cow three years and under four:
First premium to Miller & Powell, Beecher, "Royalty" 30
Second premium to Miller & Powell, Beecher, "Violet" 20

Cow two years and under three:
First premium to Miller & Powell, Beecher, "Laura" 30

Heifer one year and under two:
First premium to Miller & Powell, Beecher, "Morrilla" 25
Second premium to Miller & Powell, Beecher, "Highland Lady" 15

Heifer Calf under one year and over six months:
First premium to Miller & Powell, Beecher, "Charlotte" 20
Second premium to Miller & Powell, Beecher, "Victoria" 10

Heifer Calf under six months:
First premium to Miller & Powell, Beecher 20

LOT 5—DEVONS.

Bull four years and over:
First premium to L. F. Ross, Avon, "Hamiltonian" $30

Bull Calf under one year and over six months:
First premium to L. F. Ross, Avon, "Col. May" 20
Second premium to L. F. Ross, Avon, "John Randolph" 10

Cow four years and over:
First premium to L. F. Ross, Avon, "Lady May" 30

Cow three years and under four:
First premium to L. F. Ross, Avon, "Ninetta" 30

Heifer two years and under three:
First premium to L. F. Ross, Avon, "Maggie Morris" 30

Heifer one year and under two:
First premium to L. F. Ross, Avon, "Marinda" 25

Heifer Calf under one year and over six months:
First premium to L. F. Ross, Avon, "Lady May" 20

LOT 6—AYRSHIRE BULLS.

Bull four years and over
First premium to D. & G. Jones, Galesburg, "Norval" $30

Bull three years and under four:
First premium to John Stewart, Blackberry, "George 3d" 30

Bull two years and under three:
First premium to D. & G. Jones, Galesburg, "Earl of Glenco" 30

Bull Calf under one year and over six months:
First premium to D. & G. Jones, Galesburg, "Vernot" 20

Bull Calf under six months:
First premium to John Stewart, Blackberry, "George 4th" 20
Second premium to D. & G. Jones, Galesburg, "Curd" 10

LOT 6.—AYRSHIRE COWS.

Cow four years and over:
First premium to John Stewart, Blackberry, "Lady Jane" $30
Second premium to D. & G. Jones, Galesburg, "Annie" 20

Cow three years and under four:
First premium to D. & G. Jones, Galesburg, "Laura" 30

Cow two years and under three:
First premium to D. & G. Jones, Galesburg, "Bristol's Favorite" 30

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Heifer one year and under two:
First premium to D. & G. Jones, Galesburg, "Cedar Belle,".....$25
Second premium to John Stewart, Blackberry, "Mary"..... 15

Heifer under one year and over six months:
First premium to D. & G. Jones, Galesburg, "Blanche"..... 20

Heifer Calf under six months:
First premium to John Stewart, Blackberry, "Rosa"..... 20

LOT 7.—JERSEYS, ALDERNEYS, GUERNSEYS, HOLSTEINS, ETC.

Bull four years and over:
First premium to J. C. King, Elyria, Ohio.....$30

Bull three years and under four:
First premium to R. H. Whiting, Peoria, "Lord Knox"..... 30
Second premium to A. Hostetter's Sons, Mt. Carroll, "Seth"..... 20

Bull one yearand under two:
First premium to A. Hostetter's Sons, Mt. Carroll..... 25

Bull Calf under one year and over six months:
First premium to A. Hostetter's Sons, Mt. Carroll..... 20
Second premium to V. Barber, Decatur..... 10

Bull Calf under six months:
First premium to R. H. Whiting, Peoria..... 20
V. Barber, Decatur..... 10

Cow four years and over:
First premium to R. H. Whiting, Peoria, "Flora 2d"..... 30
Second premium to V. Barber, Decatur, "Dollamah"..... 20

Cow three years and under four:
First premium to V. Barber, Decatur, "Dolly"..... 30
Second premium to R. H. Whiting, Peoria, "Jolly"..... 20

Cow two years and under three years:
First premium to A. D. Ingersoll, Green Valley, "Grace Darling"..... 30
Second premium to A. Hostetter's Sons, Mt. Carroll, "Daisy Dean"..... 20

Heifer one year and under two years:
First premium to Z. C. Luse & Son, Iowa City, Iowa, "Lucia"..... 25
Second premium to T. C. Murphy, Green Valley..... 15

Heifer under one year and over six months:
First premium to A. Hostetter's Sons, Mt. Carroll, "Lilliputian"..... 20
Second premium to J. C. King, Elyria, Ohio, "Althea"..... 10

Heifer under six months:
First premium to A. Hostetter's Sons, Mt. Carroll, "Young Gazelle"..... 20
Second premium to Z. C. Luse & Son, Iowa City, Iowa, "Bergessa"..... 10

LOT 9.—GRADES AND CROSSES.

Cow three years and over:
First premium to W. R. Duncan, Towanda.....$15
J. S. Shorthose, Danvers..... 10

Heifer two years and under three:
First premium to H. C. Nelson, Canton..... 15
Second premium to H. C. Nelson, Canton..... 10

Heifer one year and under two:
First premium to J. S. Shorthose, Danvers..... 15
Second premium to H. C. Nelson, Canton..... 10

Heifer Calf under one year:
First premium to J. S. Shorthose, Danvers..... 10
Second premium to H. C. Nelson, Canton..... 5

LOT 10.—FAT CATTLE OF ANY BREED.

Bullock three years and under four years:
First premium to W. B. Rundle, Clinton.....$30

LOT 11.—WORK OXEN AND STEERS.

Yoke of Steers one year and under two years, trained and showed by boy not over 16 years:
First premium to R. M. Finley, Summerville.....$10

LOT 12.—HERDS, OPEN TO ALL BREEDS.

Bull and five Cows:
First premium to J. H. Spears & Son, Tallula.....$100
Second premium to C. E. Lippincott, Springfield..... 50

Five Calves, male or female:
First premium to A. C. Funk, Bloomington..... 50
Second premium to J. H. Pickrell, Harristown..... 25

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LOT 13.—HERDS FROM ONE BULL.

Five Cattle (male or female), of any age, the get of one Bull:
First premium to J. H Spears & Son, Tallula $100
Second premium to Mrs. E. J. Byram, Abingdon 50

Cow, with two of her Calves:
First premium to J. H. Kissinger, Clarksville, Mo 100
Second premium to J. H. Spears & Son, Tallula 50

LOT 14.—SWEEPSTAKES.

Cow or Heifer of any age:
First premium to J. H. Pickrell, Harristown $100
Second premium to A. C. Funk, Bloomington 50

Bull of any age:
First premium to A. H. & J. B. Day, Utica, Iowa 100
Second premium to J. N. Brown's Sons, Berlin 50

CLASS B—HORSES.

JAMES HERRINGTON, *Superintendent.*

LOT 15—THOROUGHBREDS.

Stallion four years old or over:
First premium to J. C. Bruner, Ottawa $30
Second premium to W. H. Hartley & Co, Jacksonville 20

Stallion three years old and under four:
First premium to J. W. Dilley, Macomb 25
Second premium to W. H. Hartley & Co., Jacksonville 15

Stallion Colt two years old and under three:
First premium to B. F. Stickley, Pekin 25

Stallion Colt one year old and under two:
First premium to A. G. Carle, Urbana 25
Second premium to O. Miers, Tremont 15

Stallion Sucking Colt:
First premium to David House, Maquon 15

Brood Mare four years or over:
First premium to A. G. Carle, Urbana 30
Second premium to David House, Maquon 20

Filly three years old and under four:
First premium to W. H. Hartley & Co., Jacksonville 25
Second premium to James Wadsworth, Chicago 15

Filly two years old and under three:
First premium to A. G. Carle, Urbana 25

LOT 16—ROADSTERS.

Stallion four years old and over:
First premium to James Whitfield, Pekin $30
Second premium to F. M. Rust, Heyworth 20

Stallion three years and under four:
First premium to James Wadsworth, Chicago 20
Second premium to J. B. Gillett, Trivoli 10

Stallion two years and under three:
First premium to Charles Chandler, Macomb 20
Second premium to Wiley Buckles, Champaign 10

Stallion one year old and under two:
First premium to J. C. McFarren & Son, Louisville, Ky 20
Second premium to B. C. Dickson, Yates City 10

Horse Colt under one year old:
First premium to Wm. Cramer, Farmington 15
Second premium to Louis Van Dyke, Norris 10

Mare four years old and over:
First premium to James McKean, Bradford 25
Second premium to James Evans, Knoxville 15

Mare three years old and under four:
First premium to James McKean, Bradford 15
Second premium to J. D. Parmely, Peoria 10

Filly two years old and under three:
First premium to E. C. Lewis, Ottawa 15
Second premium to James Wadsworth, Chicago 10

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Filley one year old and under two:
First premium to Wiley Buckles, Champaign $15
Second premium to J. C. McFarran & Son, Louisville, Ky 10
Mare Colt under one year old:
First premium to J. W. Handley, Champaign 15
J. B. Gillett, Trivoli 10

LOT 17—HORSES FOR ALL WORK.

Stallion four years old and over:
First premium to John Weedman, Farmer City $30
Second premium to Charles Rich, Metamora 20
Stallion three years old and under four:
First premium to A. G. Carle, Urbana 20
Second premium to T. L. Dixon, Yates City 10
Stallion two years old and under three:
First premium to George Weedman, Farmer City 20
Second premium to James A. Perry, Wilmington 10
Stallion one year old and under two:
First premium to E. Dillon & Co., Normal 20
Second premium to R. G. Brooks, Brimfield 10
Sucking Horse Colt:
First premium to James A. Perry, Wilmington 20
Second premium to J. H. Lane, Farmington 10
Brood Mare four years old and over:
First premium to A. M. Fleming, Bloomington 25
Second premium to J. D. McVicker, Henry 15
Filly three years old and under four:
First premium to J. B. Wilkins, Peoria 20
Second premium to R. H. Baker, Heyworth 10
Filly two years old and under three:
First premium to A. G. Carle, Urbana 20
Filly one year old and under two:
First premium to J. C. McFarren & Son, Louisville, Ky 20
Second premium to J. C. McFarren & Son, Louisville, Ky 10
Sucking Mare Colt:
First premium to Henry Amsler, Metamora 20
Second premium to E. D. Fuller & Bro., Tremont 10

LOT 18—DRAFT HORSES.

Stallion four years old and over:
First premium to Burnett & McLauren, Joliet $30
Second premium to Jas. A. Perry, Wilmington 20
Stallion three years old and under four:
First premium to H. J. Vaughn, Oneida 20
Second premium to W. & R. Moffatt, Paw-Paw Grove 10
Stallion Colt two years old and under three:
First premium to Gloyd & Lindsay, Macomb 20
Second premium to John Morgan, Bloomington 10
Stallion Colt one year old and under two:
First premium to S. R. Jones, Lacon 20
Second premium to E. Dillon & Co., Normal 10
Stallion Colt under one year old:
First premium to G. Shelton, Normal 15
Second premium to E. Dillon & Co., Normal 10
Brood Mare, four years old and over:
First premium to G. Shelton, Normal 25
Second premium to G. Shelton, Normal 15
Filly three years old and under four:
First premium to E Dillon & Co., Normal 20
Second premium to E. Dillon & Co., Normal 10
Filly two years old and under three:
First premium to E. Dillon & Co., Normal 20
Second premium to E. Dillon & Co., Normal 10
Filly one year old and under two:
First premium to G. Shelton, Normal 20
Second premium to E. Hodgson, El Paso 10
Sucking Mare Colt:
First premium to E. Dillon & Co., Normal 15
Second premium to E. Dillon & Co., Normal 10

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LOT 19—TEST DRAFT RING.

HORSES.

Span for draft:
First premium to E. Dillon & Co., Normal $30
Second premium to E. Dillon & Co., Normal 15

MULES.

Span for Draft:
First premium to J. L. Winter, Minier 30
Second premium to E. H. Mills, Topeka 15

LOT 20—SADDLE HORSES.

Stallion, 4 years and over:
First premium to John C. Aydlott, Pekin $20
Second premium to David House, Maquon 10

Saddle Mare, 4 years and over:
First premium to Holly & Smith, Springfield 20
Second premium to Robert McCart, Bloomington 10

Saddle Gelding, 4 years old and over:
First premium to Robert McCart, Bloomington 20
Second premium to C. E. Hall, Yates City 10

Saddle Gelding, under 4 years old:
First premium to Wm. Reed, French Grove 20

LOT 21—CARRIAGE HORSES.

Carriage Team:
First premium to J. C. McFarren & Son, Louisville, Ky $100
Second premium to C. M, Hall, Yates City 50

Family Mare or Gelding:
First premium to S. B. Fliut, Delavan 20
Second premium to John A. Richmond, Mackinaw 10

LOT 22—GENTLEMEN'S DRIVING HORSES.

Pair of Mares to pole:
First premium to J. C. McFarren & Son., Louisville, Ky $100
Second premium to James McKean, Bradford 50

Pair of Geldings to pole:
First premium to S. S. Drew, Dixon 100
Second premium to L. Gleim, Jacksonville 50

Single Stallion to harness:
First premium to Jersey County Stock Company 100
Second premium to Walter W. Rogers, Bloomington 50

Single Mare to harness:
First premium to J. W. Dilley, Macomb 100
Second premium to James McKean, Bradford 50

Single Gelding to harness:
First premium to P. H. Barnes, Battle Creek, Mich 75
Second premium to L. Gleim, Jacksonville 25

LOT 23—SWEEPSTAKES—OPEN TO ALL.

Stallion showing best 5 colts:
First premium to J. C. McFarren & Son, Louisville, Ky $100
Second premium to E. Dillon & Co., Normal 50

Mare showing 2 best colts:
First premium to G. Shelton, Normal 75
Second premium to E. Dillon & Co., Normal 50

LOT 24—SWEEPSTAKES—THOROUGHBREDS.

Stallion of any age:
First premium to J. C. Bruner, Ottawa $50

Mare of any age:
First premium to W. H. Hartley & Co., Jacksonville 50
Second premium to David House, Maquon 25

LOT 25—SWEEPSTAKES—ROADSTERS.

Stallion of any age to harness:
First premium to Walter W. Rogers, Bloomington $50
Second premium to Jersey Co. Stock Importing Company, Jerseyville 25

Mare of any age to harness:
First premium to J. C. McFarren & Son, Louisville, Ky 50
Second premium to James McKean, Bradford 25

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LOT 26—SWEEPSTAKES—DRAFT.

Stallion of any age:
First premium to Burnett & McLauren, Joliet $50
Second premium to James A. Perry, Wilmington 25

Mare of any age:
First premium to G. Shelton, Normal 50
Second premium to E. Dillon & Co., Normal 25

LOT 27—HORSES FOR ALL WORK.

Stallion of any age:
First premium to J. G. Lycan, Paris $50
Second premium to J. Weedman, Farmer City 25

Mare of any age:
First premium to J. G. Lycan, Paris 50
Second premium to Wiley Buckles, Champaign 25

LOT 28—JACKS AND JENNETS.

Jack 4 years old or over:
First premium to T. P. Herriot, Mahomet $25
Second premium to J. L. Connelly, Harristown 15

Jack 3 years old and under 4:
First premium to W. R. Duncan, Towanda 25

Jack 1 year old and under 2:
First premium to W. R. Duncan, Towanda 15
Second premium to W. R. Duncan, Towanda 10

Jennet 3 years old or over:
First premium to J. W. Dilley, Macomb 20

Jennet 1 year old and under 2:
First premium to J. W. Dilley, Macomb 10

3 year old Mule:
First premium to J. L. Winter, Minier 15
Second premium to J. L. Winter, Minier 10

2 year old Mule:
First premium to J. L. Winter, Minier 15

1 year old Mule:
First premium to J. L. Connelly, Harristown 15
Second premium to D. W. Page, Champaign 10

Sucking Mule:
First premium to T. P. Herriot, Mahomet 10
Second premium to J. J. Carnagey, Keithsburg 5

LOT 29—SWEEPSTAKES—JACKS AND JENNETS.

Jack of any age, shown with 3 Mules of his get:
First premium to J. L. Connelly, Harristown $100

Jennet of any age, with 2 Colts:
First premium to Ira Dilley, Macomb 50

CLASS C—SHEEP.

CHARLES SNOAD, *Superintendent.*

LOT 30—LONG WOOLS.

Cotswold Ram, 2 years old and over:
First premium to Miller & Powell, Beecher $15
Second premium to W. & R. Moffatt, Paw Paw Grove 10

Cotswold Ram, 1 year and under 2:
First premium to W. & R. Moffatt, Paw Paw Grove 15
Second premium to W. & R. Moffatt, Paw Paw Grove 10

Cotswold Ram, under 1 year old:
First premium to W. & R. Moffatt, Paw Paw Grove 10
Second premium to R. C. Allen, Harristown 5

3 Cotswold Ewes, 2 years old and over:
First premium to W. & R. Moffatt, Paw Paw Grove 15
Second premium to W. & R. Moffatt, Paw Paw Grove 10

3 Cotswold Ewes, 1 year old and under 2:
First premium to W. & R. Moffatt, Paw Paw Grove 15

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3 Cotswold Ewe Lambs, under 1 year old:
First premium to W. & R. Moffatt, Paw Paw Grove $15
Second premium to W. & R. Moffatt, Paw Paw Grove 10

Leicester Ram, 2 years old and over:
First premium to Wm. Merkle, Indiana, Pa 15
Second premium to A. Arnold, Somonauk 10

Leicester Ram, 1 year old and under 2:
First premium to Wm. Merkle, Indiana, Pa 15
Second premium to A. Arnold, Somonauk 10

Leicester Ram Lamb under 1 year old:
First premium to A. Arnold, Somonauk 10
Second premium to Miller & Powell, Beecher 5

Three Leicester Ewes, two years old and over:
First premium to A. Arnold, Somonauk 15
Second premium to A. Arnold, Somonauk 10

Three Leicester Ewes, one year old and under two:
First premium to A. Arnold, Somonauk 15

Three Leicester Ewe Lambs, under one year:
First premium to A. Arnold, Somonauk 15

LOT 31—DISPLAY AND SWEEPSTAKES—LONG WOOLS.

Ram of any age:
Premium to W. and R. Moffat, Paw-paw Grove $10

Ewe of any age:
Premium to W. and R. Moffat, Paw-paw Grove 20

Ram and five Ewes of any age:
Premium to W. and R. Moffat, Paw-paw Grove 30

LOT 32—MIDDLE WOOLS.

Ram two years and over:
First premium to J. H. Pickrell, Harristown $15
Second premium to Thomas Taylor, Waynesville 10

Ram Lamb under one year old:
First premium to J. H. Pickrell, Harristown 10

Pen of three Ewes, two years old and over:
First premium to J. H. Pickrell. Harristown 15
Second premium to Thomas Taylor, Waynesville 10

Pen of three Ewes, over one and under two years:
First premium to J. H. Pickrell, Harristown 15

Pen of three Ewe Lambs under one year:
First premium to J. H. Pickrell, Harristown 15

LOT 33—DISPLAY OF ANY VARIETY PURE BRED MIDDLE WOOLS OTHER THAN SOUTHDOWNS.

First premium to W. R. Duncan, Towanda $20
Second premium to W. R. Duncan, Towanda 10

Ram of any age:
First premium to J. H. Pickrell, Harristown 20

Ewe of any age:
First premium to J. H. Pickrell, Harristown 20

Ram and five Ewes:
First premium to J. H. Pickrell, Harristown 30

LOT 34—FINE WOOLS.

Ram two years and over:
First premium to E. H. Nichols, Millersburg $15
Second premium to F. E. Day, Streator 10

Ram one year and under two:
First premium to E. H. Nichols, Millersburg 15
Second premium to Thomas Tayler, Waynesville 10

Ram Lamb under one year:
First premium to Thomas Taylor, Waynesville 10
Second premium to S. H. Thompson, Iowa City, Iowa 5

Pen of three Ewes two years and over:
First premium to Thomas Taylor, Waynesville 15
Second premium to F. E. Day, Streator 10

Pen three Ewes over one and under two:
First premium to S. H. Thompson, Iowa City, Iowa 15
Second premium to Thomas Taylor, Waynesville 10

Pen three Ewe Lambs under one year:
First premium to S. H. Thompson, Iowa City, Iowa 15
Second premium to F. E. Day, Streator 10

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LOT 35—DISPLAY AND SWEEPSTAKES—FINE WOOLS.

Ram of any age:
Premium to E. H. Nichols, Millersburg $20

Ewe of any age:
Premium to Thomas Taylor, Waynesville 20

Ram and five Ewes of any age:
Premium to W. E. Day, Streator 30

LOT 37—FAT SHEEP.

Three Fat Sheep over two years old:
First premium to J. Pickrell, Harristown $10

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CLASS D—SWINE.

JAMES R. SCOTT, *Superintendent.*

LOT 38—BERKSHIRES.

Boar two years old and over:
First premium to George M. Caldwell, Williamsville $20
Second premium to J. M. & S. Works, Bardolph 15

Boar one year old and under two:
First premium to John R. Craig, Ontario, Canada 20
Second premium to N. N. Jones, Normal 15

Boar six months old and under one year:
First premium to M. F. Dunlap, Jacksonville 15
Second premium to John R. Craig, Ontario, Canada 10

Boar under six months:
First premium to John Francis, New Lenox 10
Second premium to George M. Caldwell, Williamsville 5

Sow two years and over:
First premium to Thomas Andrew, Elmore 20
Second premium to John Francis, New Lenox 15

Sow one year old and under two:
First premium to J. M. & S. Works, Bardolph 20
Second premium to J. M. & E. W. Cully, Jacksonville 15

Sow six months and under one year:
First premium to John R. Craig, Ontario, Canada 15
Second premium to M. F. Dunlap, Jacksonville 10

Sow under six months old:
First premium to George Dunlap, Bloomington 10
Second premium to J. M. & S. Works, Bardolph 5

Sow with Litter of her own sucking Pigs, not less than five:
First premium to George Dunlap, Bloomington 20
Second premium to John Francis, New Lenox 10

SWEEPSTAKES.

Boar of any age:
First premium to John R. Craig, Ontario, Canada $20

Sow of any age:
First premium to John R. Craig, Ontario, Canada 20

LOT 39—CHESTER WHITES.

Boar two years old and over:
First premium to E. R. Moody, Eminence, Kentucky $20
Second premium to N. N. Jones, Normal 15

Boar one year old and under two:
First premium to Charles E. Kercheval, Joliet 20
Second premium to Charles E. Kercheval, Joliet 15

Boar six months old and under one year:
First premium to Charles E. Kercheval, Joliet 15
Second premium to N. N. Jones, Normal 10

Boar under six months:
First premium to R. Kimberly, Green River 10
Second premium to R. Kimberly, Green river 5

Sow two years old and over:
First premium to E. R. Moody, Eminence, Ky 20
Second premium to Charles E. Kercheval, Joliet 15

Sow one year old and under two:
First premium to N. N. Jones, Normal 20
Second premium to Charles E. Kercheval, Joliet 15

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Sow six months and under one year:
First premium to Charles E. Kercheval, Joliet.....$15
Second premium to Charles E. Kercheval, Joliet 10

Sow under six months old:
First premium to Charles E. Kercheval, Joliet..... 10
Second premium to E. R. Moody, Eminence, Ky..... 5

Sow with litter of her own sucking pigs, not less than five:
First premium to E. R. Moody, Eminence, Ky..... 20

SWEEPSTAKES.

Boar of any age:
Premium to E. R. Moody, Eminence, Ky $20

Sow of any age:
Premium to E. R. Moody, Eminence, Ky 20

LOT 40—POLAND-CHINAS.

Boar two years and over:
First premium to B. J. Orton, Cambridge $20
Second premium to Shepard & Alexander, Charleston, ... 15

Boar one year and under two years:
First premium to B. J. Orton, Cambridge 20

Boar one year old and under two:
First premium to J. W. Carey, Canton..... 15

Boar six months and under one year:
First premium to T. L. Dixon, Yates City 15
Second premium to Geo. Kidder, Farmington..... 10

Boar under six months old:
First premium to D. F. Emry & Sons, Canton 10
Second premium to B. J. Orton, Cambridge 5

Sow two years old and over:
First premium to B. J. Orton, Cambridge..... 20
Second premium to B. J. Orton, Cambridge..... 15

Sow one year old and under:
First premium to B. J. Orton, Cambridge 20
Second premium to R. G. Brooke, Brimfield..... 15

Sow six months and under one year:
First premium to B. J. Orton, Cambridge..... 15
Second premium to Shepard & Alexander, Charleston..... 10

Sow under six months:
First premium to R. G. Brooke, Brimfield 10
Second premium to T. J. Dixon, Yates City 5

Sow with litter of her own sucking Pigs, not less than five:
First premium to J. W. Carey, Canton..... 20
Second premium to George Kidder, Farmington..... 10

SWEEPSTAKES.

Boar of any age;
Premium to B. J. Orton, Cambridge $20

Sow of any age:
Premium to B. J. Orton, Cambridge..... 20

LOT 41—SUFFOLK, SMALL YORKSHIRE AND OTHER SMALL DISTINCT BREEDS.

Boar one year old:
First premium to Rowland Crocker, Spring Bay..... $20

Boar under six months:
First premium to Rowland Crocker, Spring Bay 10

Sow two years old and over:
First premium to E. R. Moody, Eminence, Ky..... 20
Second premium to Charles Snoad, Joliet..... 15

Sow one year old and under two:
First premium to Rowland Crocker, Spring Bay 20

Sow under six months old:
First premium to E R. Moody, Eminence, Ky..... 10
Second premium to Rowland Crocker, Spring Bay..... 5

Sow with litter of Pigs:
First premium to Rowland Crocker, Spring Bay..... 20

SWEEPSTAKES.

Boar of any age:
Premium to Rowland Crocker, Spring Bay $20

Sow of any age:
Premium to E. R. Moody, Eminence, Ky..... 20

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LOT 42—ESSEX, AND OTHER SMALL DISTINCT BLACK BREEDS.

Boar two years old and over:
First premium to J. W. Wilber, Charleston $20
Second premium to W. J. Neely, Ottawa 15

Boar one year and under two:
First premium to J. W. Wilber, Charleston 20
Second premium to W. J. Neely, Ottawa 15

Boar six months old and under one year:
First premium to W. J. Neely, Ottawa 15
Second premium to J. W. Wilber, Charleston 10

Boar under six months old:
First premium to Elliot Stimbaugh, Deer Creek 10
Second premium to W. J. Neely, Ottawa 5

Sow two years old and over:
First premium to W. J. Neely, Ottawa 20
Second premium to J. W. Wilber, Charleston 15

Sow one year and under two:
First premium to J. W. Wilber, Charleston 20
Second premium to W. J. Neely, Ottawa 15

Sow six months old and under one year:
First premium to W. J. Neely, Ottawa 15

Sow under six months:
First premium to W. J. Neely, Ottawa 10
Second premium to W. J. Neely, Ottawa 5

SWEEPSTAKES.

Boar of any age:
Premium to J. W. Wilber, Charleston $20

Sow of any age:
Premium to W. J. Neely, Ottawa 20

Sow with litter of her own sucking Pigs:
Premium to W. J. Neely, Ottawa 20

LOT 43—LARGE BREEDS AND THEIR CROSSES, EXCEPT BERKSHIRE, CHESTER WHITE AND POLAND-CHINA

Boar two years old and over:
First premium to E. Arnold, Somonauk $20

Boar one year old and under two:
First premium to J. C. Darnell, Elmwood 29

Boar six months old and under one year:
First premium to J. C. Darnell, Elmwood 15
Second premium to E. R. Moody, Eminence, Ky 10

Boar under six months old:
First premium to J. C. Darnell, Elmwood 10
Second premium to E. Arnold, Somonauk 5

Sow two years old and over:
First premium to E. Arnold Somonauk 20
Second premium to J. C. Darnell, Elmwood 15

Sow one year old and under two:
First premium to J. C. Darnell, Elmwood 20
Second premium to E. R. Moody, Eminence, Ky 15

Sow six months old and under one year:
First premium to E. R. Moody, Eminence, Ky 15
Second premium to E. Arnold, Somonauk 10

Sow six months old and under one year:
First premium to E. Arnold, Somonauk 10
Second premium to James Anderson, Greenland 5

Sow, with litter of her own sucking pigs, not less than five:
First premium to J. C. Darnell, Elmwood 20
Second premium to J. C. Darnell, Elmwood 10

SWEEPSTAKES.

Boar of any age:
Premium to E. Arnold, Somonauk 20

Sow of any age:
Premium to J. C. Darnell, Elmwood 20

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CLASS E—POULTRY.

CHARLES SNOAD, *Superintendent.*

LOT 44—ASIATICS.

Light Brahma—Fowls:
- First premium to S. C. Wheelock & Bro., Moline $3
- Second premium to Springer Brothers, Springfield 3
- Third premium to Thomas Mason, Jacksonville ..... Certificate.

Light Brahma—Chicks:
- First premium to Wills & Peter, Bloomington 3
- Second premium to Springer Brothers, Springfield 1
- Third premium to H. M. Minier, Minier ..... Certificate.

Dark Brahma—Fowls:
- First premium to Wills & Peter, Bloomington 3
- Second premium to C. W. Heaton, Farmington 2
- Third premium to J. H. Foster, Elmwood ..... Certificate.

Dark Brahma—Chicks:
- First premium to J. H. Foster, Elmwood 2
- Second premium to Edwin T. Farrar, Elmwood 1
- Third premium to J. H. Foster, Elmwood ..... Certificate.

Buff Cochin—Fowls:
- First premium to J. H. Snyder, Canton 3
- Second premium to C. W. Heaton, Farmington 2
- Third premium to Wills & Peter, Bloomington ..... Certificate.

Buff Cochin—Chicks:
- First premium to C. W. Heaton, Farmington 2
- Second premium to J. H. Foster, Elmwood 1
- Third premium to C. W. Heaton, Farmington ..... Certificate.

Partrige Cochin—Fowls:
- First premium to C. W. Heaton, Farmington 3
- Second premium to Holder & Leaton, Bloomington 2
- Third premium to Wills & Peter, Bloomington ..... Certificate.

Partridge Cochin—Chicks:
- First premsum to Z. C. Luse, Iowa City, Iowa 2
- Second premium to Thomas Mason, Jacksonville 1
- Third premium to C. W. Heaton, Farmington ..... Certificate.

White Cochin—Fowls:
- First premium to Wills & Peter, Bloomington 3
- Second Premium to Edwin T. Farrar, Elmwood 2

White Cochin—Chicks:
- First premium to Wills & Peter, Bloomington 2
- Second premium to M. R. Saunders, Bradford 1
- Third premium to C. A. Emry, Canton ..... Certificate.

Black Cochin—Fowls:
- First premium to C. W. Heaton, Farmington 3

Black Cochin—Chicks:
- First premium to C. W. Heaton, Farmington 2
- Second premium to Wills & Peter, Bloomington 1
- Third premium to Z. C. Luse, Iowa City, Iowa ..... Certificate.

LOT 45—DORKINGS.

Siver Gray—Fowls:
- First premium to C. T. Williamson, Springfield 3
- Second premium to Wills & Peter, Bloomington 2
- Third premium to Wills & Peter, Bloomington ..... Certificate

Silver Gray—Chicks:
- First premium to Wills & Peter, Bloomington 2
- Second premium to Wills & Peter, Bloomington 1

White—Fowls:
- First premium to Wills & Peter, Bloomington 3

LOT 46—SPANISH.

Black—Fowls:
- First premium to J. H. Foster Elmwood $3
- Second premium to S. R. Mooberry, Farmdale 2
- Third premium to Charles Voight, Peoria ..... Certificate

Black—Chickens:
- First premium to J. H. Foster, Elmwood 2
- Second premium to Wills & Peter, Bloomington 1
- Third premium to Charles Voight, Peoria ..... Certificate.

White Leghorn—Fowls:
- First premium to Wills & Peter, Bloomington 3

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White Leghorn—Chicks:
First Premium to Wills and Peter, Bloomington $2
Second premium to Wills & Peter, Bloomington 1
Third premium to J. H. Foster, Elmwood ..... Certificate.

Brown Leghorn—Fowls:
First premium to Holder & Leaton, Bloomington 3

Brown Leghorn—Chicks:
First premium to S. C. Wheelock & Bro., Moline 2
Second premium to C. W. Heaton, Farmington 1
Third premium to Wills & Peter, Bloomington ..... Certificate.

LOT 47—HAMBURG.

Golden Penciled Fowls:
First premium to Wills & Peter, Bloomington, ... $3

Golden Spangled Fowls:
First premium to Holder & Leaton, Bloomington 3
Second premium to Wills & Peter, Bloomington 2

Golden Spangled Chicks:
First premium to Thos. Mason, Jacksonville 2
Second premium to Wills & Peter, Bloomington 1
Third premium to Wills & Peter, Bloomington ..... Certificate.

Silver Spangled Fowls:
First premium to Wills & Peter, Bloomington 3

Silver Spangled Chicks:
First premium to Thomas Mason, Jacksonville 2
Second premium to J. K. Bigelow, Springfield 1
Third premium to J. K. Bigelow, Springfield ..... Certificate.

Black Hamburg Fowls:
First premium to J. H. Foster, Elmwood 3

Black Hamburg Chicks:
First premium to J. H. Foster, Elmwood 2

LOT 48—POLISH.

Golden Spangled Fowls:
First premium to Wills & Peter, Bloomington $3

Golden Spangled Chicks:
First premium to A. F. Dehority, Hilton 2

Silver Spangled Fowls:
First premium to Wills & Peter, Bloomington 3
Second premium to C. W. Heaton, Farmington 2

Silver Spangled Chicks:
First premium to Thomas Mason, Jacksonville 2
Second premium to C. W. Heaton, Farmington 1

White Crested Black Chicks:
First premium to ————, Wisconsin 2
Second premium to Margaret Matson, Peoria 1

LOT 49—FRENCH.

Houdan Fowls:
First premium to S. C. Wheelock & Bro., Moline $3
Second premium to Wills & Peter, Bloomington 2
Third premium to Wills & Peter, Bloomington ..... Certificate.

Houdan Chicks:
First premium to Wills & Peter, Bloomington 2
Second premium to J. H. Foster, Elmwood 1
Third premium to C. W. Heaton, Farmington ..... Certificate.

La Fleche Fowls:
First premium to Wills & Peter, Bloomington 3

La Fleche Chicks:
First premium to Wills & Peter, Bloomington 2

LOT 50—GAME.

Black Breasted Red Fowls:
First premium to Geo. L. Lucas, Peoria $3

Black Breasted Game Chicks:
First premium to W. H. Gilbert, Jacksonville 2
Second premium to Holder & Leaton, Bloomington 1
Third premium to Wills & Peter, Bloomington ..... Certificate.

LOT 51—BANTAM.

Sebright Fowls:
First premium to Wills & Peter, Bloomington $3

White Fowls:
First premium to J. H. Foster, Elmwood 3

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White Chicks:
First premium to James Hall, Peoria $2
Second premium to J. H. Foster, Elmwood 1

Black Fowls:
First premium to Wills & Peter, Bloomington 3

Black Chicks:
First premium to Katie Perkins, Williamsville 2

Black-Red Fowls:
First premium to W. H Gilbert, Jacksonville 3
Second premium to C. W. Heaton, Farmington 2
Third premium to J. H. Foster, Elmwood ..... Certificate.

Black-Red Chicks:
First premium to Wills and Peter, Bloomington 2
Second premium to W. H. Gilbert, Jacksonville 1
Third premium to S. C. Wheelock, Moline ..... Certificate

Duck-Wing Fowls:
First premium to C. W. Heaton, Farmington 3

Duck-Wing Chicks:
First premium to C. W. Heaton, Farmington 2

LOT 52—MISCELLANEOUS.

Rumpless Chicks:
First premium to T. C. Murphy, Green Valley $2

LOT 57—PIGEONS.

Ponters:
First premium to John Leuallen, Peoria $2
Second premium to H. Schimpff, Peoria 1

Fantails:
First premium to H. Schimpff, Peoria 2
Second premium to Rowland Crocker, Spring Bay 1
Third premium to John Leuallen, Peoria ..... Certificate.

Jacobins:
First premium to John Leuallen, Peoria 2

Turbits:
First premium to John Leuallen, Peoria 2
Second premium to M. W. Miner, Wyoming 1
Third premium to H. Schimpff, Peoria ..... Certificate.

Magpies:
First premium to John Leuallen, Peoria 2

Trumpeters:
First premium to M. W. Miner, Wyoming 2
Second premium to M. W. Miner, Wyoming 1
Third premium to M. W. Miner, Wyoming ..... Certificate.

LOT 55—DUCKS

Aylesbury:
First premium to Wills & Peter, Bloomington $3
Second premium to S. R. Mooberry, Farmdale 2
Third premium to C. W. Heaton, Farmington ..... Certificate

Rouen:
First premium to H. M. Minier, Minier 3
Second premium to Wills & Peter, Bloomington 2
Third premium to H. M. Minier, Minier ..... Certificate.

Cayuga:
First premium to Wills & Peter, Bloomington 3

Muscovy:
First premium to Geo. L. Lucas, Peoria 3
Second premium to Geo. L. Lucas, Peoria 2

White Crested Duck:
First premium to J. H. Foster, Elmwood 3

LOT 56—GEESE.

Emden:
First premium to Wills & Peter, Bloomington $4
Second premium to S. R. Moobery, Farmdale 2
Third premium to C. W. Heaton, Farmington ..... Certificate.

Toulouse:
First premium to J. H. Foster, Elmwood 4

White China:
First premium to Roland Crocker, Spring Bay 4

African:
First premium to J. H. Foster, Elmwood 4

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LOT 53—GUINEAS.

White Fowls:
First premium to Wills & Peter, Bloomington $3

Common Fowls:
First premium to Wills & Peter, Bloomington 3
Second premium to J. H. Foster, Elmwood 2

Common Chicks:
First premium to J. H. Foster, Elmwood 2

LOT 54—TURKEYS.

Bronze Fowls:
First premium to H. M. Minier, Minier $4
Second premium to Wills & Peter, Bloomington 2
Third premium to Wills & Peter, Bloomington ..... Certificate.

Bronze Chicks:
First premium to Wills & Peter, Bloomington 2
Second premium to Wills & Peter, Bloomington 1

Black Chicks:
First premium to John S. Kellar, Peoria 2

Slate Turkey Fowls:
First premium to John S. Kellar, Peoria 4

Slate Turkey Chicks:
First premium to Wills & Peter, Bloomington 2
Second premium to Wills & Peter, Bloomington 1
Third premium to John S. Kellar, Peoria ..... Certificate.

In addition to the premiums on poultry above enumerated, the following list was offered and paid (through the State Board of Agriculture) by the Illinois State Poultry Association. First premium, $5 cash; second premium, $2 50; and third premium of $1; the second and third premiums in subscriptions to agricultural or live stock publications:

ASIATICS.

Light Brahma male:
Springer Bros., Springfield ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Springer Bros., Springfield ..... 3d premium.

Light Brahma female:
Springer Bros., Springfield ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
S. C. Wheelock & Bro., Moline ..... 3d premium.

Dark Brahma male:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
J. H. Foster, Elmwood ..... 3d premium.

Dark Brahma female:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
J. H. Foster, Elmwood ..... 3d premium.

Buff Cochin male:
C. W. Heaton, Farmington ..... 1st premium.
M. R. Sanders, Bradford ..... 2d premium.
Not awarded ..... 3d premium.

Buff Cochin female:
J. H. Snyder, Canton ..... 1st premium.
C. W. Heaton, Farmington ..... 2d premium.
J. H. Foster, Elmwood ..... 3d premium.

Partridge Cochin male:
Z. C. Luse & Son, Iowa City ..... 1st premium.
C. W. Heaton, Farmington ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

Partridge Cochin female:
Thomas Mason, Jacksonville ..... 1st premium.
Holder & Leaton, Bloomington ..... 2d premium.
C. W. Heaton, Farmington ..... 3d premium.

White Cochin male:
P. M. Sanders, Bradford ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Not awarded ..... 3d premium.

White Cochin female:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Not awarded ..... 3d premium.

Black Cochin male:
C. W. Heaton, Farmington ..... 1st premium.
C. W. Heaton, Farmington ..... 2d premium.
Z. C. Luse & Son, Iowa City ..... 3d premium.

Black Cochin female:
Z. C. Luse & Son, Iowa City ..... 1st premium.
C. W. Heaton, Farmington ..... 2d premium.
Z. C. Luse & Son, Iowa City ..... 3d premium.

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DORKINGS.

Silver Gray male:
Wills & Peter, Bloomington ..... 1st premium.
C. T. Williamson, Springfield ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

Silver Gray female:
C. T. Williamson, Springfield ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Not awarded ..... 3d premium.

White Dorking male:
Wills & Peter, Bloomington ..... 1st premium.
Not awarded ..... 2d premium.
Not awarded ..... 3d premium.

White Dorking female:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Not awarded ..... 3d premium.

SPANISH.

Black male:
J. H. Foster, Elmwood ..... 1st premium.
Chas. Voight, Peoria ..... 2d premium.
Not awarded ..... 3d premium.

Black female:
M. W. Miner, Wyoming ..... 1st premium.
J. H. Foster, Elmwood ..... 2d premium.
Chas. Voight, Peoria ..... 3d premium.

White Leghorn male:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium

White Leghorn female:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium
Wills & Peter, Bloomington ..... 3d premium.

Brown Leghorn male:
C. W. Heaton, Farmington ..... 1st premium.
Holder & Leaton Bloomington ..... 2d premium.
Not awarded ..... 3d premium.

Brown Leghorn female:
Holder & Leaton, Bloomington ..... 1st premium.
Holder & Leaton, Bloomington ..... 2d premium.
C. W. Heaton, Farmington ..... 3d premium.

HAMBURG.

Golden Penciled female:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Not awarded ..... 3d premium.

Golden Spangled male:
Holder & Leaton, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Not awarded ..... 3d premium.

Golden Spangled female:
Holder & Leaton, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Not awarded ..... 3d premium.

Silver Spangled male:
Thomas Mason, Jacksonville ..... 1st premium.
J. K. Bigelow, Springfield ..... 2d premium.
Not awarded ..... 3d premium.

Silver Spangled female:
Thomas Mason, Jacksonville ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

Black Spangled male:
J. H. Foster, Elmwood ..... 1st premium.
No award ..... 2d premium.
No award ..... 3d premium.

POLISH.

Golden Spangled male:
Wills & Peter, Bloomington ..... 1st premium.
A. F. Dehority, Hilton ..... 2d premium.
R. G. Brooks, Brimfield ..... 3d premium.

Golden Spangled female:
Wills & Peter, Bloomington ..... 1st premium.
R. G. Brooks, Brimfield ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

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Silver Spangled male:
C. W. Heaton, Farmington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Thomas Mason, Jacksonville ..... 3d premium.

Silver Spangled female:
Thomas Mason, Jacksonville ..... 1st premium.
C. W. Heaton, Farmington ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

White Crested Black male:
H. N. Maxham, Diamond Lake ..... 1st premium.
Margaret Matson, Peoria ..... 2d premium.
No award ..... 3d premium.

White Crested Black female:
Holder & Leaton, Bloomington ..... 1st premium.
H. N. Maxham, Diamond Lake ..... 2d premium.
H. N. Maxham, Diamond Lake ..... 3d premium.

FRENCH.

Houdan male:
Wills & Peter, Bloomington ..... 1st premium.
S. C. Wheelock, Moline ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

Houdan female:
J. H. Foster, Elmwood ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

Lafleche male:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
No award ..... 3d premium.

Lafleche female:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
No award ..... 3d premium.

GAME.

Black Breasted Red male:
W. H. Gilbert, Jacksonville ..... 1st premium.
Thomas Mason, Jacksonville ..... 2d premium.
Holder & Leaton, Bloomington ..... 3d premium.

Black Breasted Red female:
Thomas Mason, Jacksonville ..... 1st premium.
Holder & Leaton, Bloomington ..... 2d premium.
No award ..... 3d premium.

BANTAM.

Sebright male:
Wills & Peter, Bloomington ..... 1st premium.
Katie Perkins, Williamsville ..... 2d premium.
No award ..... 3d premium.

Sebright female:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Katie Perkins, Williamsville ..... 3d premium.

Black male:
Wills & Peter, Bloomington ..... 1st premium
Katie Perkins, Williamsville ..... 2d premium.
No award ..... 3d premium.

Black female:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Katie Perkins, Williamsville ..... 3d premium.

Black Red Game male:
W. H. Gilbert, Jacksonville ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
C. W. Heaton, Farmington ..... 3d premium.

Black Red Game female:
Wills & Peter, Bloomington ..... 1st premium.
W. H. Gilbert, Jacksonville ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

Duck Wing female:
C. W. Heaton, Farmington ..... 1st premium.
No award ..... 2d premium.

TURKEYS.

Bronze male:
H. M. Minier, Minier ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

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Bronze female:
H. M. Minier, Minier ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

Slate male:
John S. Kellar, Peoria ..... 1st premium.
No award ..... 2d premium.

Slate female:
John S. Kellar, Peoria ..... 1st premium.
John S. Kellar, Peoria ..... 2d premium.
No award ..... 3d premium.

White Holland male:
C. W. Heaton, Farmington ..... 1st premium.
J. H. Foster, Elmwood ..... 2d premium.
No award ..... 3d premium.

White Holland female:
J. H. Foster, Elmwood ..... 1st premium.
C. W. Heaton, Farmington ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

GUINEA.

White male:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
No award ..... 3d premium.

White female:
Wills & Peter, Bloomington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.

Common male:
Wills & Peter, Bloomington ..... 1st premium.
J. H. Foster, Elmwood ..... 2d premium.

Common female:
Wills & Peter, Bloomington ..... 1st premium.
J. H. Foster, Elmwood ..... 2d premium.

DUCKS.

Aylesbury male:
G. M. Caldwell, Williamsville ..... 1st premium.
C. W. Heaton, Farmington ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

Aylesbury female:
G. M. Caldwell, Williamsville ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
C. W. Heaton, Farmington ..... 3d premium.

Cayuga male:
Wills & Peter, Bloomington ..... 1st premium.
No award ..... 2d premium.

Cayuga female:
Wills & Peter, Bloomington ..... 1st premium.
No award ..... 2d premium.

Rouen male:
H. M. Minier, Minier ..... 1st premium.
G. M. Caldwell, Williamsville ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

Rouen female:
H. M. Minier, Minier ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
G. M. Caldwell, Williamsville ..... 3d premium.

GEESE.

Emden male:
Wills & Peter, Bloomington ..... 1st premium.
C. W. Heaton, Farmington ..... 2d premium.
No award ..... 3d premium.

Emden female:
C. W. Heaton, Farmington ..... 1st premium.
Wills & Peter, Bloomington ..... 2d premium.
Wills & Peter, Bloomington ..... 3d premium.

MISCELLANEOUS.

Plan of Poultry House:
C. F. Mills, Springfield ..... 1st premium.
C. T. Williamson, Springfield ..... 2d premium.

Exhibition Coop:
J. K. Bigelow, Springfield ..... 1st premium.
W. H. Lightfoot, Springfield ..... 2d premium.
C. T. Williamson, Springfield ..... 3d premium.

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Best and cheapest Shipping Coop for Fancy Fowls:
Springer Bros., Springfield.....1st premium.
Best Shipping Coops for Market Fowls:
W. J. H. Koppe, Quincy.....1st premium.
Best Coop of Chicks:
E. T. Farrar, Elmwood.....1st premium.
Wills & Peter, Bloomington.....2d premium.
Springer Bros., Springfield.....3d premium.

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CLASS F.—SECTION 1.

M. C. GOLTRA, *Superintendent.*

LOT 58—LIGHT MACHINES AND HORTICULTURAL IMPLEMENTS.

Planing Machine:
Frank & Co., Buffalo, N. Y.....Silver medal.
Smut Machine:
Clifford & Garrison, West Jersey.....Diploma.

LOT 59—STOVES, CASTINGS AND WORKED METALS.

Best and largest display of Stoves:
Cutler & Proctor, Peoria.....$10 and Diploma.
Cooking Stove for Wood:
Thomas Lloyd, Peoria.....Diploma.
Cooking Stove for Coal:
Bloomington Stove Co., Bloomington.....Silver medal.
Heating Stove for Wood:
Hunter & Co., Peoria.....Diploma.
Heating Stove for Coal:
Cutler & Proctor, Peoria.....Diploma.
Display of Sheet Iron and Tin Ware:
Hunter & Co., Peoria.....Diploma.
Saddler's Hardware:
Beasley Brothers Peoria.....Diploma.
Horse Shoe:
Charles Saunders, Galesburg.....Silver medal.
Display of Fire Arms:
P. Bourdereaux, Peoria.....Diploma.
Water Filter:
L. O. Wilson, Peoria.....Diploma.

LOT 60—HOUSEHOLD FURNITURE.

General Household Furniture:
Comstock & Avery, Peoria.....Silver medal.
Parlor Furniture:
Comstock & Avery, Peoria.....Diploma.
12 Brooms—Illinois Manufacture:
A. J. Neil, Peoria.....Silver medal.
Churn—Illinois Manufacture:
Sam. Hensley, Washington.....Diploma.
Washing Machine:
Walton & Little, Freeport.....Silver medal.
Mangling or Ironing Machine:
Underwood & Canfield, St. Louis, Mo.....Silver medal.
Wringer:
Thomas Lloyd, Peoria.....Diploma.
Display of Boots and Shoes:
D. J. Calligan, Peoria.....Silver medal.
Workmanship on Boots and Shoes:
Thos. Cosgrove, Peoria.....Silver medal.

LOT 61—MANUFACTURES OF VARIOUS KINDS.

Specimen of Rockingham Ware:
Peoria Pottery Co., Peoria.....Diploma.
Specimen of Porcelain Ware:
Peoria Pottery Co., Peoria.....Silver medal.

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Pottery Ware of various kinds:
Peoria Pottery Co., Peoria.....Diploma.
Cigars—Illinois Manufacture:
D. & H. Burton, Peoria.....Diploma.
Carriage Harness:
Frederick & Bender, Peoria.....Diploma
Single Buggy Harness:
Frederick & Bender, Peoria.....Diploma.
Gentleman s Saddle:
Frederick & Bender, Peoria.....Silver medal.
Lady's Saddle:
Frederick & Bender, Peoria.....Silver medal.
Horse Collars:
J. Martin, Peoria.....Diploma.
Bound Books—Illinois Manufacture:
W. T. Dowdall, Peoria.....Silver medal.
Paper Hangings, Borders, etc.—Illinois Manufacture:
Bush & Littleton, Peoria.....Silver medal.
Surgical and Dental Instruments:
J. G. Vaughn, Belle Rive.....Diploma.
Watches—Illinois Manufacture:
J. C. Woolfie, Peoria.....Diploma.
Silver Ware:
J. C. Woolfie, Peoria.....Silver medal.
Artificial Teeth:
Dunn Brothers, Peoria.....Silver medal.
Fluid Extracts:
Allaire, Woodward & Co., Peoria.....Silver medal.

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CLASS F.—SECTION 2.

K. K. JONES, *Superintendent.*

LOT 62—ENGINES, MACHINERY, ETC.

Portable Farm Steam Engine:
Harrison & Co., Belleville.....Diploma
Pumps for Well:
Workman & Whitmire, Metamora.....Diploma.
Water Elevator, other than Pump:
J. W. Avery, Peoria.....Silver medal
100 Assorted Drain Tile:
A. W. Bushnell, Peoria.....Diploma.
Implement for cutting up Stalks and Rubbish, to be plowed under:
Kingman & Co., Peoria.....Silver medal.
Horse Hay Fork:
P. V. Crust, Polo, Mo.....Diploma.
Portable Hay Press:
P. K. Dederick & Co., Albany, N. Y.....Diploma.
Fanning Mill:
Kingman & Co., Peoria.....Silver medal.
Power Corn Sheller:
Kingman & Co., Peoria.....Diploma.
Hand Corn Sheller:
Keystone Manufacturing Co., Sterling.....Silver medal.
Hay and Straw Cutter:
Thos. Hazard, Wilmington, Ohio.....Diploma.
Flower Pots:
Peoria Pottery Co., Peoria.....Diploma.

LOT 63—IMPLEMENTS, VEHICLES, ETC.

Steaming Apparatus for Cooking Food for Stock:
John Hill, Lisbon.....$10 and Diploma.
Gate for Farm use:
John C. Shaver, Ottumwa, Iowa.....Diploma.
Portable Fence:
J. J. Wallace, Champaign.....Silver medal.

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Hay and Cattle Scales for Farm use:
Martin & Brothers, Chillicothe.....$10 and Diploma.
Open Buggy:
Geo. Pfeiffer, Peoria.....Diploma.
Two Horse Wagon:
Geo. Pfeiffer, Peoria.....10 and Diploma.
Spring Wagon:
Fish Brothers, Racine, Wis.....5 and Diploma.

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CLASS G—FARM PRODUCTS.

JONATHAN PERIAM, *Superintendent.*

LOT 65—GRAINS AND SEEDS.

White Winter Wheat:
First premium to Geo. S. Haskell & Co., Rockford.....$10
Second premium to Jacob Littleton, Peoria.....5
Red Winter Wheat:
First premium to Thos. S Whitehill, Millersburg.....10
Second premium to J. R. Rawalt, Canton.....5
Red Spring Wheat:
First premium to J. S. Shorthose, Danvers.....10
Second premium to J. Dilley, Macomb.....5
Rye:
First premium to J. A. Smith, Elmwood.....5
Second premium to James Wood, Castleton.....3
Oats:
First premium to J. W. Dilley, Macomb.....5
Second premium to J. A. Smith, Elmwood.....3
Spring Barley:
First premium to Geo. S. Haskell & Co., Rockford.....5
Second premium to J. S. Smith, Elmwood.....3
White Indian Corn:
First premium to Isaac Newton, Civer.....10
Second premium to J. S. Shorthose, Danvers.....5
Yellow Indian Corn:
First premium to H. B. Arnold, Hilton.....10
Second premium to A. F. Dehority, Hilton.....5
Corn on Stalk:
First premium to Benton C. Dunlap, Dunlap.....2
Second premium to Henry Defenbaugh, Hilton.....1
Pop Corn:
First premium to Wm. H Shugart, Pekin.....3
Second premium to James Woods, Castleton.....2
Timothy Seed:
First premium to Geo. S. Haskell & Co., Rockford.....5
Second premium to W. J. Jutkins, Savoy.....2
Clover Seed:
First premium to James Stickfaden, Pekin.....5
Second premium to J. S. Shorthose, Danvers.....2
Orchard Grass Seed:
First premium to Geo. S. Haskell & Co., Rockford.....5
Second premium to W. J. Ellinwood, Chicago.....2
Lucerne Seed:
First premium to Geo. S. Haskell & Co., Rockford.....5
Display of Grains and Seeds, distinct from foregoing:
Premium to Geo. S. Haskell & Co., Rockford.....50

LOT 66—VEGETABLES.

Early Irish Potatoes:
First premium to Joseph Schoff, Peoria.....$10
Second premium to Mrs. Ann Hurd, Farmington.....4
Late Irish Potatoes:
First premium to Joseph Schoff, Peoria.....10
Second premium to Jacob Berkel, Peoria.....4
Sweet potatoes:
First premium to James Woods, Castleton.....$5
Second premium to Joseph Schoff, Peoria.....2

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Onions :
First premium to Geo. S. Haskell & Co., Rockford $4
Second premium to Wm. Brebner, Farmington 2

Turnips :
First premium to Joseph Schoff, Peoria 4

Beets for table use :
First premium to Joseph Schoff, Peoria 4
Second premium to J. P. Heading, Peoria 2

Mangel Wurzels :
First premium to Geo. S. Haskell & Co., Rockford 4
Second premium to J. P. Heading, Peoria 2

Parsnips :
First premium to J. P. Heading, Peoria 4
Second premium to Jacob Berkel, Peoria 2

Celery :
First premium to J. C. Westphal, Davenport, Iowa 4
Second premium to J. C. Westphal, Davenport, Iowa 2

Cabbage :
First premium to Joseph Schoff, Peoria 4
Second premium to Jacob Berkel, Peoria 2

Tomatoes :
First premium to James Cole, Peoria 4
Second premium to Jacob Berkel, Peoria 2

White Field Beans :
First premium to Geo. S. Haskell & Co., Rockford 5
Second premium to John S. Kellar, Peoria 2

Lima Beans :
First premium to John S Kellar, Peoria 4
Second premium to I. J. Halstead, Decatur 2

Greatest variety of Garden Peas :
Premium to Geo. S. Haskell & Co., Rockford 2

Pumpkins :
Premium to Wm. Brebner, Farmington 2

Squashes :
Premium to Geo. S. Haskell & Co., Rockford 5

Water Melons :
First premium to Perry Fauber, Little Detroit 5
Second premium to Thos. Fauber, Little Detroit 2

Muskmelons :
First premium to Joseph Schoff, Peoria 5
Second premium to Jacob Berkle, Peoria 2

Carrots :
First premium to George S. Haskell & Co., Rockford 4
Second premium to Jacob Berkel, Peoria 2

Egg Plant Fruit :
First premium to Joseph Schoff, Peoria 4
Second premium to J. C. Westphal, Davenport, Iowa 2

Bale of Hops :
Premium to A. & L. T. Clark, Peoria 4

Display of Vegetables :
First premium to Joseph Schoff, Peoria 20
Second premium to Geo. S. Haskell & Co., Rockford 10

Display of Garden Seeds :
First premium to Geo. S. Haskell & Co., Rockford 10
Second premium to W. J. Ellinwood, Chicago 5

Sugar Beets :
First premium to Joseph Schoff, Peoria 10
Second premium to James Woods, Castleton 5

LOT 67—BUTTER, CHEESE, CAKES, ETC.

Barrel of Winter Wheat Flour :
E. L. Carey, Peoria ..... Diploma.

Barrel of Spring Wheat Flour :
Levi Smith ..... Diploma.

Starch of Indian Corn :
First premium to Peoria Starch Company, Peoria 2

Butter in Tub or Firkin :
First premium to Mrs. James Woods, Castleton 10
Second premium to Wm. Wiley, Summerville 5

Butter made in May or June :
Second premium to M. H. Hart, El Paso 5

Fresh Butter in Roll :
First premium to M. H. Hart, El Paso 10
Second premium to R. G. Brooks, Brimfield 5

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Cheese under one year old:
First premium to Somonauk Cheese Manufacturing Co., Somonauk.....$10
Second premium to Rantoul Cheese Factory, Rantoul..... 5

New Cheese:
First premium to Morris Hawkins, Ridot..... 10
Second premium to Mrs. Thos. Brown, Galesburg..... 5

Ten pounds of Honey:
First premium to C. N. Vandervoort, Randolph..... 10
Second premium to Mrs. L. Harrison, Peoria..... 5

Can of Sweet Corn:
Premium to Mrs. W. W. Willis, DuPage..... 2

Two loaves of Wheat Bread—Hop Yeast:
First premium to Mrs. Ann K. Schnebly, Peoria..... 6
Second premium to Helen F. Dunlap, Dunlap..... 4

Two loaves Wheat Bread—Milk-raising:
First premium to Mrs. Anna M. Lucas, Peoria..... 6
Second premium to Mrs. J. Nearing, Kenny..... 4

Two loaves of Bread from Unbolted Flour:
First premium to Mary S. Halstead, Decatur..... 6
Second premium to Mrs. S. H. White, Peoria..... 4

Two loaves of Rye Bread:
First premium to Mrs. J. A. Smith, Elmwood..... 6
Second premium to Mrs. John Kellar, Peoria..... 4

Two loaves of Corn Bread:
Premium to Mrs. J. A. Smith, Elmwood..... 3

Sponge Cake:
First premium to Mrs. R. H. Shultz, Monmouth..... 4
Second premium to Miss Nancy M. West, Peoria..... 2

Snow Cake:
First premium to Miss E. M. Kinney, Peoria..... 4
Second premium to Mary J. Halstead, Decatur..... 2

Pound Cake:
First premium to Miss Kate S. Kellar, Peoria..... 4
Second premium to Mrs. Levi Smith, Peoria..... 2

Jelly Cake:
First premium to Mrs. Horace Tarbull, Peoria..... 4
Second premium to Mrs. John Kellar, Peoria..... 2

Fruit Cake:
First premium to Mrs. Horace Tarbull, Peoria..... 4
Second premium to Mrs. C. S. Clark, Peoria..... 2

Silver Cake:
First premium to Lizzie Ruble, Canton..... 4
Second premium to Mrs. Thos. Brown, Galesburg..... 2

Gold Cake:
First premium to Mrs. C. S. Clark, Peoria..... 4
Second premium to Mrs. J. Nearing, Kenny..... 2

Nut Cake:
First premium to Miss Kate S. Kellar, Peoria..... 4
Second premium to Mary L. Halstead, Decatur..... 2

Doughnuts:
First premium to Mrs. J. Nearing, Kenny..... 4
Second premium to Wm. H. Shugart, Peoria..... 2

Ginger Cake:
First premium to Miss Nancy M. West, Peoria..... 4
Second premium to Mrs. C. S. Clark, Peoria..... 2

Sorghum Molasses:
First premium to D. J. Leech, Hennepin..... 3
Second premium to D. J. Leech, Hennepin..... 2

Display of Butter—quality considered—distinct from foregoing samples:
Premium to Mrs. James Woods, Castleton..... 50

Display of Cheese—quality considered—distinct from foregoing:
Premium to Rantoul Cheese Factory, Rantoul..... 50

CLASS H—HORTICULTURE.

LEWIS ELLSWORTH, *Superintendent.*

LOT 68—TREES AND APPLES.

(Open to all.)

Hardy Evergreen Trees—10 varieties:
First premium to F. K. Phœnix, Bloomington.....$25
Second premium to A. Bryant, Jr., Princeton..... 15

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Shade, Lawn, and Useful Forest Trees—from a Nursery:
First premium to F. K. Phœnix, Bloomington $25
Second premium to A. Bryant, Jr., Princeton 15

Collection of Apples—25 varieties:
First premium to A. Bryant, Jr., Princeton 25
Second premium to D. B. Wier, Lacon 15

Siberian Crab Apples:
First premium to D. B. Wier, Lacon 3
Second premium to A. Bryant, Jr., Princeton 2

Fifteen varieties of Apples for Central Illinois—value for market considered:
First premium to M. L. Dunlap & Sons, Champaign 20
Second premium to A. C. Hammond, Warsaw 10

Fifteen varieties of Apples for Northern Illinois—market value considered:
First premium to A. Bryant, Jr., Princeton 20
Second premium to J. P. Brubaker, Nuchasa 10

Awarding Committee.—D. Wilmot Scott, Galena; W. T. Nelson, Wilmington; Isaac Baldwin, Jacksonville; J. W. Robison, Tremont; B. L. T. Bouriand, Peoria.
Sub-Committee for Apples in Central Illinois.—W. H. Mann, Gilman; Isaac Baldwin, Jacksonville; Samuel Edward, Lamoille.
Sub-Committee for Apples in Northern Illinois.—D. W. Scott, Galena; W. T. Nelson, Wilmington; M. Barnard, Manteno.

LOT 69—HOME GROWN FRUITS—BY AMATEURS.

(No professional grower allowed to compete.)

Collection of Apples:
First premium to H. J. Dunlap, Champaign $20
Second premium to W. H. Hansen, Franklin Grove 10

Collection of Pears:
First premium to C. W. Sibley, Pana 5
Second premium to J. Larash, Pekin 3

Collection of Peaches:
First premium to J. Larash, Pekin 5
Second premium to C. W. Sibley, Pana 3

Collection of Plums:
First premium to J. Larash, Pekin 4
Second premium to J. P. Brubaker, Nachusa 2

Native Cultivated Grapes:
First premium to Nick Portman, Metamora 8
Second premium to C. W. Sibley, Pana 4

Early Grapes:
First premium to J. V. N. Standish, Galesburg 6
Second premium to H. Dunlap, Champaign 3

Late Grapes for table use:
First premium to H. J. Dunlap, Champaign 6
Second premium to Jacob J. Conrad, Peoria 3

Wine Grapes:
First premium to Nelson Pierce, Lacon 6
Second premium to Jacob J. Conrad, Peoria 3

Native Grapes—not generally cultivated:
Premium to Jacob J. Conrad, Peoria 5

Apples for Southern Illinois:
First premium to John Clater, Effingham 12

Apples for Central Illinois:
First premium to C. W. Sibley, Pana 12
Second premium to H. J. Dunlap, Champaign 6

Apples for Northern Illinois:
First premium to Owen Callaghan, Joliet 12

Awarding Committee.—D. Wilmot Scott, Galena; W. T. Nelson, Wilmington; A. C. Hammond, Warsaw; Isaac Baldwin, Jacksonville; James M. Harris, Galena.

LOT 70—PEARS, PLUMS, GRAPES, ETC.

(Open to all.)

Collection of Pears:
First premium to J. Capps & Son, Mt. Pulaski $10
Second premium to E. O. Freeman, Cobden 5

Collection of Peaches, named:
First premium to E. O. Freeman, Cobden 5
Second premium to J. Capps & Son, Mt. Pulaski 3

Collection of Seedling Peaches:
First premium to J. Larash, Pekin 5
Second premium to E. O. Freeman, Cobden 3

Collection of Quinces:
First premium to J. Capps & Son, Mt. Pulaski 2

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Collection of Native Cultivated Grapes:
First premium to F. K. Phœnix, Bloomington $8
Second premium to M. L. Dunlap & Sons, Champaign 4

Early Grapes:
First premium to D. B. Wier, Lacon 5
Second premium to M. L. Dunlap & Sons, Champaign 3

Late Grapes, for table use:
First premium to Jacob Littleton, Peoria 5
Second premium to D. B. Wier, Lacon 3

Wine Grapes:
First premium to M. L. Dunlap & Sons, Champaign 5

Native Grapes—not generally cultivated:
Premium to D. B. Wier, Lacon 5

Collection of Fruits by Horticultural Society:
Warsaw Horticultural Society, Warsaw. (A. C. Hammond, President; B. Whitaker, Secretary) ..... $100 and Silver medal.

Awarding Committee.—J. M. Pearson, Godfrey; J. W. Robison, Tremont; A. G. Humphrey, Galesburg; A. Bryant, Jr., Princeton; Sam'l Edwards, Lamoille.

LOT 71—CANNED AND PRESERVED FRUITS, JELLIES, PICKLES, ETC.

Crab Apple Preserves:
First premium unknown $2
Second premium to Mrs. Mary Schnebly, Peoria 1

Crab Apple Jelly:
First premium to Mrs. John Keller, Peoria 2
Second premium to Mary L. Halstead, Decatur 1

Plum Jelly:
First premium to Mrs. R. H. Schultz, Monmouth 2
Second premium to Mrs. John Keller, Peoria 1

Quince Jelly:
First premium to Mrs. J. C. Mosier, Knoxville 2
Second premium to Mrs. R. G. Brooks, Brimfield 1

Apple Jelly:
First premium to Mrs. John Kellar, Peoria 2
Second premium to Mrs. A. P. Leonard, Metamora 1

Currant Jelly:
First premium to Mrs. A. P. Leonard, Metamora 2
Second premium to Mrs. John Kellar, Peoria 1

Grape Jelly:
First premium to Mrs. L. Webster, St. Augustine 2
Second premium to Mrs. R. H. Schultz, Monmouth 1

Peach Jelly:
First premium to Mrs. L. Webster, St. Augustine 2
Second premium to Mrs. R. H. Schultz, Monmouth 1

Canned Peaches:
First premium to Mrs. H. C. McIntyre, Havana 5

Canned Pears:
First premium to Mrs. S. Harrison, Peoria 4
Second premium to Mrs. H. C. McIntyre, Havana 2

Canned Plums:
First premium to Mrs. W. W. Willis, DuPage 4
Second premium to Mrs. James Woods, Castleton 2

Canned Cherries:
First premium to Mrs. W. W. Willis, DuPage 4
Second premium to Mrs. L. Webster, St. Augustine 2

Canned Currants:
First premium to J. Larash, Pekin 4
Second premium to Mrs. L. Webster, St. Augustine 2

Canned Gooseberries:
First premium to Mrs. L. Harrison, Peoria 4
Second premium to Mrs. W. W. Willis, DuPage 2

Canned Raspberries:
First premium to Mrs. Horace Tarbull, Peoria 4
Second premium to Mrs. W. W. Willis, DuPage 2

Canned Strawberries:
First premium to Mrs. W. C. Flagg, Moro 4

Canned Grapes:
First premium to Mrs. Thomas Brown, Galesburg 4
Second premium to Mrs. J. L. Connelly, Harristown 2

Canned Tomatoes:
First premium to Mrs. W. W. Willis, DuPage 4
Second premium to Mrs. R. H. Shultz, Monmouth 2

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Preserved Peaches:
First premium to Mrs. W. C. Flagg, Moro $2
Second premium to Mrs. Louisa Daws, Peoria 1

Preserved Plums:
First premium to Mrs. J. C. Mosier, Knoxville 2
Second premium to Mrs. H. C. McIntyre, Havana 1

Preserved Apples:
First premium to Mrs. John Kellar, Peoria 2
Second premium to Mrs. A. P. Leonard, Metamora 1

Preserved Watermelons:
First premium to Mrs. R. H. Shultz, Monmouth 2
Second premium to Mrs. W. C. Flagg, Moro 1

Preserved Quinces:
First premium to Mrs. R. H. Shultz, Monmouth 2

Preserved Grapes:
First premium to Mrs. R. H. Shultz, Monmouth 2
Second premium to Mrs. W. Y. McCord, Farmer City 1

Preserved Pairs:
First premium to Mrs. H. C. McIntyre, Havana 2
Second premium to Mrs. A. L. Gould, Ridgeville 1

Peach Butter:
First premium to Mrs. John Kellar, Peoria 2
Second premium to Mrs. L. Webster, St. Augustine 1

Apple Butter:
First premium to Mrs. John Kellar, Peoria 2

Plum Jam:
First premium to E. S. Plattenburg, Canton 2
Second premium to Anna K. Schnebly, Peoria 1

Cherry Jam:
First premium to Mrs. E. S. Westfall, Knoxville 2
Second premium to Mrs. A. P. Leonard, Metamora 1

Blackberry Jam:
First premium to Mrs. John Kellar, Peoria 2
Second premium to Mrs. W. Y. McCord, Farmer City 1

Sour pickled Cucumbers:
First premium to Mrs. R. H. Shultz, Monmouth 3
Second premium to Miss H. M. Heading, Peoria 2

Sweet pickled Cucumbers:
First premium to Mrs. L. Harrison, Peoria 3
Second premium to Mrs. H. C McIntyre, Havana 2

Pickled Cabbage:
First premium to Mrs. J. L. Connolly, Harristown 3
Second premium to Mrs. R. H. Shultz, Monmouth 2

Pickled Cherries:
First premium to Mrs R. H. Shultz, Monmouth 3
Second premium to Mrs. A. R. Meek, Canton 2

Pickled Mangoes:
First premium to Mrs. R. H. Shultz, Monmouth 3
Second premium to Mrs. John Kellar, Peoria 2

Pickled Peaches:
First premium to Mrs. S. Pulsifer, Peoria 3
Second premium to Mrs. R. H. Shultz 2

Pickled Pears:
First premium to Mrs. R. H Shultz, Monmouth 3
Second premium to Mrs. L. Webster, St. Augustine 2

Pickled Grapes:
First premium to Mrs. J. L. Connelly, Harristown 3
Second premium to Mrs. James Wood, Castleton 2

Pickled Watermelon:
First premium to Mrs. L. Harrison, Peoria 3
Second premium to Mrs. R. H. Shultz, Monmouth 2

Pickled Gherkins:
First premium to Mrs. R. H. Shultz, Monmouth 3
Second premium to Mrs. J. Nearing, Kenny 2

Tomato Catsup:
First premium to Miss Lizzie Ruble, Canton 3

Cucumber Catsup:
First premitm to Mrs. R. H. Shultz, Monmouth 3

Walnut Catsup:
First premium to Mrs. R. H. Shultz, Monmouth 1

Mushroom Catsup:
First premium to Mrs. H. Shultz, Monmouth 1

Best browned pound of Coffee:
First premium to Miss Kate S. Kellar, Peoria 1

Awarding Committee—B. Whitaker, Warsaw; L. Hurd, Kewanee; Mrs. J. W. Brewer, Monmouth; Miss Mary McConnell, Glassford.

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LOT 72.—FLOWERS AND PLANTS.

(Open to all.)

Collection of Greenhouse Plants, greatest number:
First premium to F. K. Phœnix, Bloomington $25
Second premium to F. A. Baller, Bloomington 15

Collection of Agave and Aloes:
First premium to J. C. Westphal & Son, Davenport, Iowa 5
Second premium to H. S. Hackman, Peoria 3

Collection of Cactus:
First premium to J. C. Westphal & Son, Davenport, Iowa 5
Second premium to H. S. Hackman, Peru 3

Collection of Achyranthus and Coleus:
First premium to James Cole, Peoria 5
Second premium to F. A. Baller, Bloomington 3

Collection of Begonias—varied foliage:
First premium to E. M. Vail, Kewanee 8
Second premium to F. A. Baller, Bloomington 4

Collection of winter-blooming Begonias:
First premium to F. A. Baller, Bloomington 5
Second premium to J. C. Westphal & Son, Davenport, Iowa 3

Collection of Carnations, in bloom:
First premium to F. A. Baller, Bloomington 5
Second premium to James Cole, Peoria 3

Collection of Lycopodiums:
First premium to J. C. Westphal & Son, Davenport, Iowa 5
Second premium to F. A. Baller, Bloomington 3

Collection of Double Fuchsias, in bloom:
First premium to E. M. Vail, Kewanee 5

Collection of Single Fuchsias, in bloom:
First premium to E. M. Vail, Kewanee 5

Collection of Pansies:
First premium to J. C. Westphal & Son, Davenport, Iowa 3
Second premium to George S. Haskell & Co., Rockford 2

Collection of Double Petunias:
First premium to Geo. S. Haskell & Co., Rockford 5
Second premium to F. A. Baller, Bloomington 3

Collection of Single Petunias:
First premium to James Cole, Peoria 3
Second premium to George S. Haskell & Co., Rockford 2

Collection of Phlox Drummondi:
First premium to George S. Haskell & Co, Rockford 3
Second premium to J. C. Westphal & Son, Davenport, Iowa 2

Collection of Japan Pinks:
First premium to J. C. Westphal & Son, Davenport, Iowa 3
Second premium to George S. Haskell & Co., Rockford 2

Collection of Antirrhinums:
First premium to Miss H. M. Heading, Peoria 3
Second premium to James Cole, Peoria 2

Collection of Verbenas:
First premium to George S. Haskell & Co., Rockford 5
Second premium to F. K. Phœnix, Bloomington 3

Collection of Double Geraniums, not less than six varieties, in bloom:
Second premium to H. S. Hackman, Peru .....

Collection of Single Geraniums, not less than six varieties, in bloom:
First premium to James Cole, Peoria 5
Second premium to George Fredericks, Peoria 3

Collection of Geraniums, variegated and scented, not less than six varieties:
First premium to H. S. Hackman, Peoria 5

Collection of Lantanas, in bloom, not less than six varieties:
First premium to F. A. Baller, Bloomington 5
Second premium to James Cole, Peoria 3

Collection of Everlastings:
First premium to Mrs. J. A. Williams, Quincy 5
Second premium to Miss Alice J. Heading, Peoria 3

Collection of Balsams:
First premium to Michael Shonts, Pekin 2

Collection of Dahlias, named:
First premium to J. C. Westphal & Son Davenport, Iowa 5
Second premium to Michael Shontz, Pekin 3

Collection of Dahlias, eighteen dissimilar blooms:
First premium to J. C. Westphal & Son, Davenport, Iowa 5

Collection of cut Roses, not less than fifteen varieties:
First premium to F. K. Phœnix, Bloomington 8
Second premium to F. A. Baller, Bloomington 4

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Collection of Bourbon, Noisette and Bengal Roses, cut:
First premium to F. A. Baller, Bloomington 5
Second premium to F. K. Phœnix, Bloomington 3

Collection of twelve Roses in pots, in bloom:
First premium to George Fredericks, Bloomington 10

Collection of cut Flowers, named:
First premium to F. K. Phœnix, Bloomington 10
Second premium to James Cole, Peoria 5

Collection of cut Flowers, not named:
First premium to Miss H. M. Heading, Peoria 6
Second premium to H. P. Kimball, Rockford 3

Pair of Hanging Baskets of Plants:
First premium to F. K. Phœnix, Bloomington 5
Second premium to F. A. Baller, Bloomington 3

Single Hanging Basket of Plants:
First premium to F. K. Phœnix, Bloomington 3
Second premium to F. A. Baller, Bloomington 2

Collection of Foliaged Plants:
First premium to F. A. Baller, Bloomington 8
Second premium to F. K. Phœnix, Bloomington 4

Awarding Committee.—James Crow, Crystal Lake; J. Cochrane, Havana; Mrs. J. H. Pickrell, Harristown.

LOT 73—FLOWERS AND PLANTS—BY AMATURES.

(No professional florist allowed to compete.)

Collection of Cactus and Aloes:
First premium to Mrs. L. Harrison, Peoria $5

Collection of pot plants:
First premium to Mrs. L. Harrison, Peoria 8

Single hanging basket of plants:
First premium to Mrs. L. Harrison, Peoria 5

Collection of Verbenas in bloom:
First premium to Mrs. F. G. Hinsey, Pekin 5
Second premium to Mrs S. A. Calhoun, Peoria 3

Collection of Phlox Drummondi:
First premium to Mrs. S. A. Calhoun, Peoria 3
Second premium to Mrs. L. A. Gould, Ridgeville 2

Collection of Asters:
First premium to Mrs. Ann Hurd, Farmington 3
Second premium to Miss H. M. Heading, Peoria 2

Awarding Committee.—James Crow, Crystal Lake; W. J. Ellinwood, Chicago; D. Willmot Scott, Galena.

LOT 74—FLORAL DESIGNS, BOQUETS, ETC.

Floral Temple or Design:
First premium to F. K. Phœnix, Bloomington $20

Pair of Floral Pyramids:
First premium to F. K. Phœnix, Bloomington 5

Floral Wreath.:
First premium to J. C. Westphal & Son, Davenport, Ia 5
Second premium to James Cole, Peoria 3

Floral Designs of Cut Flowers:
First premium to Mrs. F. G. Hinsey, Pekin 5

Floral Design of Everlastings.
First premium to Miss Nancy M. West, Peoria 5
Second premium to Mrs. L. A. Gould, Ridgeville 3

Pair Flat Hand Boquets:
First premium to James Cole, Peoria 5
Second premium to F. A. Baller, Bloomington 3

Pair Round Hand Boquets:
First premium to James Cole, Peoria 5
Second premium to F. K. Phœnix, Bloomington 3

Plain basket of Cut Flowers:
First premium to F. A. Baller, Bloomington 5
Second premium to James Cole, Peoria 3

Winter basket of Flowers, Leaves and Mosses:
First premium to Miss Nellie Williams, Quincy 5
Second premium to Mrs. J. A. Williams, Quincy 3

Pair of Winter Boquets:
First premium to Miss Nancy M. West, Peoria 3
Second premium to Mrs F. G. Hinsey, Pekin 2

Pair of Crystalized Boquets:
First premium to Mrs. J. A. Williams, Quincy 3
Second premium to Miss Nellie Williams, Quincy 2

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Collection of Wild Flowers—named:
First premium to Miss Alice J. Heading, Peoria $3

Floral Novelty:
First premium to F. K. Phœnix, Bloomington 5
Second premium to H. S. Hackman, Peru 3

Awarding Committee.—H. C. Graves, Sandwich; J. G. Bubach, Princeton; Otis Baker, Morris; W. J. Ellinwood, Chicago.

CLASS I—FINE ARTS.

GEO. W. STONE, *Superintendent.*

LOT 76—SCULPTURE, PAINTING, DRAWING, ETC.

Specimen of Sculpture:
Premium to Ott. Triebel, Peoria ..... Silver medal.

Original oil painting of an Illinois Landscape:
First premium to F. Dirkson, Peoria ..... $30 and Diploma.
Second premium to Leon Stevenson, Lewiston $15

Fancy Painting in Oil:
Premium to Mrs. W. B. Crawford, Quincy ..... Silver medal.

Cattle Painting in Oil:
Premium to J. L. Winter, Minier ..... Silver medal.

Animal Painting in Oil:
Premium to Miss Belle F. Stevenson, Jacksonville ..... Silver medal.

Fruit Painting in Oil:
Premium to F. Dirkson, Peoria ..... Silver medal.

Collection of five Oil Paintings:
First premium to F. Dirkson, Peoria ..... $30 and Diploma.
Second premium to Mrs. J. M. Barden, Peoria $10

Collection of five Chromos:
First premium to Bush & Littleton, Peoria ..... $10 and Diploma.

Collection of five Steel Engravings:
Premium to Bush & Littleton, Peoria ..... $10 and Diploma.

Flower painting in Water Colors:
Premium to Miss Augusta Voigt, Pekin ..... Diploma.

Bird painting in Water Colors:
Premium to Miss Augusta Voigt, Pekin ..... Silver medal.

Portrait in Postil:
Premium to Miss Sadie Garrett, Peoria ..... Silver medal.

Portrait in Crayon:
Premium to Smith & Loquist, Peoria ..... Silver medal.

Crayon or Drawing other than Portrait:
Premium to Miss Maggie Baker, Taskio, Iowa ..... Silver medal.

Plain Photograph:
Premium to Smith & Loquist, Peoria ..... Silver medal.

Photograph touched with India Ink:
Premium to Miss M. Costelle Edgerly, Granville ..... Silver medal.

Photograph touched with Water Colors:
Premium to Miss M. Costelle Edgerly, Granville ..... Silver medal.

Pencil Drawing:
Premium to Miss Belle F. Stevenson, Jacksonville ..... Silver medal.

Pencil Drawing by boy under 15 years old:
Premium to Master Lloyd D. Swan, Yates City ..... Silver medal.

Pencil Drawing by girl under 15 years old:
Premium to Miss Sadie Garrett, Peoria ..... Silver medal.

Collection of Fresco Drawings:
Premium to F. A. Steger, Knoxville ..... Silver medal.

Ambrotype:
Premium to J. Vandrelzen, Peoria ..... Silver medal.

Porcelain Painting and Gilding:
Premium to Bush & Littleton, Peoria ..... Silver medal.

Imitations of Wood and Marbles:
Premium to John W. Helm, Peoria ..... Silver medal.

Plain Penmanship:
First premium to D. L. Musselman, Quincy ..... Silver medal.
Second premium to R. C. Crampton, Jacksonville $5

Ornamental Penmanship:
First premium to D. L. Musselman, Quincy ..... Silver medal.
Second premium to R. C. Crampton, Jacksonville $5

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Pen Drawing:
First premium to W. R. Glenn, Jacksonville.....Silver medal.
Second premium to D. L. Musselman, Quincy..... $5

Display of Penmanship:
First premium to D. L. Musselman, Quincy.....Silver medal.
Second premium to R. C. Crampton, Jacksonville..... $5

Course in Bookkeeping, published in Illinois:
Premium to Howe & Musselman, Quincy.....Silver medal.

Awarding Committee.—Mrs. M. Ballou, Mary G. Bester, Otto Triebel, J. S. Cochrane, Wm. Quayle.

LOT 77—WAX, FEATHER, HAIR WORK, ETC.

Manufactured Sheet Wax:
Premium to Mrs. J. Williams, Quincy.....Diploma.

White Wax Work:
First premium to Mrs. M. A. Clayberry, Peoria..... $2
Second premium to Miss Maggie Williams, Quincy..... 1

Colored Wax Work:
First premium to Mrs. J. A. Williams, Quincy..... 2
Second premium to Mrs. Thomas Brown, Galesburg..... 1

Work in Feathers:
First premium to Mrs. M. A. Clayberry, Peoria..... 2
Second premium to Mrs. J. A. Williams, Quincy..... 1

Work in Hair:
First premium to M. R. Bamford, Trivoli..... 2
Second premium to Miss Augusta Voight, Pekin..... 1

Shell work:
First premium to Mrs. J. A. Williams, Quincy..... 2
Second premium to Mrs. Thomas Brown, Galesburg..... 1

Fancy Worsted Bouquet:
First premium to Mrs. J. A. Williams, Quincy..... 2

Leather work:
First premium to Mrs. A. E. Peterbridge, Peoria..... 2

Bead Work:
First premium to Mrs. Enzfelder, Peoria..... 2
Second premium to Mrs. J. A. Williams, Quincy..... 1

Agricultural Wreath:
First premium to Mrs. Joseph Gursoch, Peoria..... 2
Second premium to Miss R. Coldidge, Peoria..... 1

Ornamental Work and Indelible Fluid:
First premium to Miss Maggie Williams, Quincy..... 2

Collection of articles above enumerated, by one exhibitor:
Premium to Mrs. J. A. Williams, Quincy..... 10

Awarding Committee.—E. Child, Oneida, Ill.; Mrs. Clark, Peoria, Ill.; Mrs. A. Kinnear, Peoria, Ill.; Miss Helen Shearman, Peoria, Ill.; Miss Flora V. Durham, Walden, Ill.

CLASS K.—TEXTILE FABRICS.

D. T. PARKER, *Superintendent.*

LOT 79—HOUSEHOLD FABRICS—HOME-MADE.

ALL WOOL.

Flannel—10 yards:
First premium to Mrs. T. Pigsley, St. Augustine..... $5
Second premium to Mrs. L. Webster, St. Augustine..... 3

Pair of Blankets:
First premium to Mrs. J. Nearing, Kenny..... 5
Second premium to Mrs. T. Pigsley, St. Augustine..... 3

Display of Yarns:
First premium to Mrs. H. A. Richmond, Moro..... 5
Second premium to Mrs. T. Pigsley, St. Augustine..... 3

Pair of Man's Socks:
First premium to Mrs. J. A. Williams, Quincy..... 5
Second premium to Mrs. W. B. Peake, Petersburg..... 3

Pair Lady's Stockings:
First premium to Mrs. J. A. Williams, Quincy..... 5
Second premium to Mrs. B. F. Mills, Atlanta..... 3

Pair of Mittens:
First premium to Mrs. Alexander, Decatur..... 3
Second premium to Miss Belle G. Richmond, Moro..... 2

Pair of Gloves:
First premium to Mrs. Alexander, Decatur..... 3

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MIXED WOOL AND COTTON.

Coverlet:
First premium to Mrs. J. Nearing, Kenny..... $5

Piece of Plain Linsey—10 yards:
First premium to Mrs H. A. Richmond, Moro..... 5
Second premium to Mrs. J. Nearing, Kenny..... 3

Piece of Plaid Linsey—10 yards:
First premium to Mrs. J. Nearing, Kenny.....$10 and Diploma.

Rag Carpet:
First premium to Mrs. J. Nearing, Kenny..... 5 and Diploma.
Second premium to Mrs. Jno. McGinnis, Princeville..... $3

Fancy rug:
First premium to Mrs. S. Pay, Peoria..... 5
Second premium to Mrs. Thomas Brown, Galesburg..... 3

FLAX.

Display Linen Goods:
First premium to Mrs. J. Nearing, Kenny.....$10
Second premium to Mrs. T. Pigsley, St. Augustine..... 5

Sewing Thread—not less than one pound:
Premium to Mrs J. Nearing, Kenny..... 5

Thread for weaving into Fine Linen:
Premium to Mrs. J. Nearing, Kenny..... 5

COTTON.

Sewing Thread spun by exhibiter:
Premium to Mrs. J. Nearing, Kenney..... $4

Carpet Warp:
Premium to Mrs. J. Nearing, Kenny.....Silver medal.

Display of Gloves and Mittens:
Premium to Hillabrandt & Gaylord, Peoria.....Silver medal.

Display of Fur Robes:
Premium to G. W. H Gilbert, Peoria.....Diploma.

Awarding Committee.—James H. Harris, Galena; J. L. Moore, Polo; F. G. Hinsey, Pekin.

LOT 80—NEEDLE WORK.

Plain Knitting:
First premium to Miss Maggie Williams, Quincy..... $5
Second Premium to Mrs. Alexander, Decatur..... 3
Third premium to Mrs. B. F. Mills, Atlanta..... 2

Plain Sewing—embracing Stiches used in Household Sewing and Repairing:
Second premium to Mrs. A. B. Bosserman, Knoxville..... 3

Plain Sewing, etc.. by girl under 12 years:
First premium to Miss Lotta Shultz, Monmouth..... 5
Second premium to Miss Cora Allen, Davenport, Iowa..... 3
Third premium to Miss Belle Flagg, Moro..... 2

Tidy in Wool or Cotton:
First premium to Mrs. J. W. Brewer, Monmouth..... 5
Third premium to Mrs. H. W. Hippen, Pekin..... 2

Tidy by child under 12 years:
First premium to Miss Lotta Shultz, Monmouth..... 5
Second premium to Miss Amanda Pickrell, Harristown..... 3
Third premium to Miss Emma Williams, Quincy..... 2

Patchwork Quilt by child under 12 years:
First premium to Miss Amanda Pickrell, Harristown..... 5
Second premium to Miss Maggie Williams, Quincy..... 3
Third premium to Miss Lotta Shultz, Monmouth..... 2

White Domestic Coverlet—Woven:
First premium to Mrs. N. Ellis, Canton..... 5

White Domestic Coverlet—Knit:
First premium to Mrs. Robert Voris, Peoria..... 5
Second premium to F. Dyer, Rock Falls..... 3
Third premium to Mrs. H. W. Hippen, Pekin..... 2

Silk Quilt:
First premium to Mrs. A. B. Bosserman, Knoxville..... 5
Second premium to N. A. Rankin, Monmouth..... 3
Third premium to Mrs. Dr. Hill, Bloomington..... 2

Worsted Quilt:
First premium to N. A. Rankin, Monmouth..... 5
Second premium to Mrs. C. Trasy, Smithville..... 3

Lace work, or Hem Stitching:
First premium to Mrs A. E. Petherbridge, Peoria..... 5
Second premium to Mrs. W. B. Woodward, Peoria..... 3
Third premium to Mrs R. H. Shultz, Monmouth..... 2

Worked Collar by child under 12 years:
First premium to Mrs. J. Nearing, Kenny..... 5
Second premium to Miss Lotta Shultz, Monmouth..... 3
Third premium to Miss Lotta Shultz, Monmouth..... 2

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Crochet Work in Worsted:
First premium to Mrs. J. W. Brewer, Monmouth $5
Second premium to Miss Lizzie C. Bennett, Bloomington 3
Third premium to Mrs. Joseph Elda, Peoria 2

Crochet Work in Cotton:
First premium to Mrs. J. A. Williams, Quincy 5
Second premium to Miss Nicey Devore, Decatur 3
Third premium to Mrs. W. B. Woodward, Peoria 2

Knitting work:
First premium to Mrs. Alexander, Decatur 5
Second premium to Mrs. F. G. Hinsey, Pekin 3
Third premium to Mrs. Nellie Williams, Quincy 2

Braided Work:
First premium to Mrs. R. H. Shultz, Monmouth 5
Second premium to Mrs. M. A. Smith, Quincy 3

Patchwork Quilt:
First premium to Mrs. R. H. Shultz, Monmouth 5
Second premium to Mrs. L. Webster, St. Augustine 3
Third premium to Wm. H. Meeker, Farmington 2

Transferred Embroidery:
Premium to Mrs. J. E. Connelly, Harristown 2

Landscape Embroidery:
Premium to Mrs. A. B. Bosserman, Knoxville 5

Lady's Embroidered Slippers:
Premium to Mrs. R. H. Shultz, Monmouth 2

Worsted Embroidery on cloth:
First premium to Mrs. L. B. Smith, Springfield 5
Second premium to Mrs. Robert Voris, Peoria 3
Third premium to Miss Annie Hoke 2

Worsted Embroidery on canvas:
First premium to Mrs. S. E. Westfall, Knoxville 5
Second premium to Mrs. A. E. Petherbridge, Peoria 3
Third premium to Mrs. Robert Voris, Knoxville 2

Needle work, or Floss Embroidery:
First premium to Mrs. R. H. Shultz, Monmouth 5
Second premium to Mrs. S. E. McClure, Peoria 3
Third premium to Anna E. Knox, Bureau Junction .....

Silk Embroidery:
First premium to Mrs. R. H. Shultz, Monmouth 5
Second premium to Mrs. L. B. Smith, Springfield 3
Third premium to Mrs. J. A. Williams, Quincy 2

Cotton Embroidery:
First premium to Mrs. S. E. McClure, Peoria 5
Second premium to Mrs. M. Ballou, Princeton 3
Third premium to Miss H. M. Heading, Peoria 2

Lady's Woolen Knit Hose:
First premium to Mrs Thomas Brown, Galesburg 2
Second premium to F. Dyer, Rock Falls 1

Lady's Cotton Knit Hose:
First premium to Belle G Richmond, Moro 2
Second premium to Mrs. Thomas Brown, Galesburg 1

Piece Fancy Knitting:
Premium to Mrs. R. H. Shultz, Monmouth 1

Afghan:
First premium to Miss Lizzie Pinkney, Peoria 3
Second premium to Mrs. James Wilson, Pekin 2

Awarding Committee.—Mrs. John G. Faris, Henry; Mrs. H. G. Troup, Kankakee; Miss Ada Harrison, Upper Alton; Mrs. R. H. Shultz, Monmouth; Mrs. G. W. Stone, Princeton.

CLASS L—NATURAL HISTORY.

GEORGE W. STONE, *Superintendent.*

LOT 52—BOTANY, GEOLOGY, ZOOLOGY, ETC,

Botanical Cabinet—Suitable for use of Schools:
First premium to John Wolf, Canton $25
Second premium to Miss Alice J. Heating, Peoria 10

Mineralogical Cabinet—Suitable for use of Schools:
Frst premium to S. Pulsifer, Peoria 25
Second premium to W. H. Chapman, Peoria 10

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Cabinet of Fossils—Suitable for use of Schools:
First premium to W. H. Chapman, Peoria $20
Second premium to John Wolf, Canton 10

Cabinet of Birds of Illinois—Suitable for use of Schools:
First premium to R. C Allen, Harristown 25
Second premium to Richard Shaw, Lacon 10

Conchology—Cabinet of not less than 50 specimens, named;
First premium to John Wolf, Canton 25
Second premium to Mrs. M. Ballou, Princeton 10

Entomology—Cabinet suitable for use of Schools:
First premium to Miss Emma Smith, Peoria 25
Second premium to Henry Hartwick, Peoria 10

Herpetology—Cabinet of Illinois specimens:
First premium to Camp & Hamilton, Brimfield 20
Second premium to Miss Emma Smith, Peoria 10

Collection of the Woods of Illinois:
First premium to H. O. Shepley, Canton 20
Second premium to J. Cochrane, Havana 10

Collection of petrified Woods:
Premium to S. Pulsifer, Peoria 5

Anatomical Specimens:
S. H. White, Peoria ..... Silver medal.

Collection of Specimens:
R. W. Spader, Atlanta 10

CLASS M—EQUESTRIANISM.

JAMES HERRINGTON, *Superintendent.*

LOT 83—LADIES' RIDING.

First premium to Mrs. Amanda Conroy, Lincoln $20
Second premium to Miss Florence W. Willard, Towanda 10
Third premium to Miss Anna Dunlap, Bloomington 5

LOT 84—LADIES' DRIVING.

First premium to Mrs. Leroy Payne, Bloomington $20
Second premium to Mrs. Amanda Conroy, Lincoln 10
Third premium to Miss Flora Case, Tremont 5

LOT 85—BOYS' RIDING.

First premium to Dick Weedman, Farmer City $8
Second premium to George Dunlap, Bloomington 6

AWARDS ON MISCELLANEOUS ENTRIES.

AT STATE FAIR OF 1874, PASSED UPON AND APPROVED BY THE BOARD AT ITS WINTER MEETING, 1875.

CLASS T—SECTION 1.

M. C. GOLTRA, *Superintendent.*

LOT 58—LIGHT MACHINES, ETC.

Mill Stone Dresser:
Gilbert, Ogden & Co., Mansfield, O. ..... Highest commendation.

Whiffle Trees:
William Starling, Hallock ..... Highest commendation.

Middlings purifier:
Booth, Higby & Smith, Dubuque, Iowa. ..... High commendation.

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Rubber Springs:
J. M. Logan, Springfield.....Highest commendation.
Thimble Skein:
Wheeler Skein Co., Canton, Mo.....Highest commendation.

LOT 59—STOVES, CASTINGS AND WORKED METALS.

Ice cream Freezer:
L. O. Wilson, Peoria.....High commendation.
Stove Pipe Elbows:
L. O. Wilson, Peoria.....High commendation
Hot Air Furnace:
Empire Machine Works, Bloomington.....High commendation.
Stove Polish:
Grey, Dixon & Co., Chicago.....Highest commendation.
Lightning Rods:
B. C. Hayman, Chicago.....High commendation.
Speed Indicator:
Frank & Co., Buffalo, N. Y.....High commendation.

LOT 60—HOUSEHOLD FURNITURE.

Display of Childrens' Carriages:
Springfield Manufacturing Co., J. W. Lane, Supt.....Highest commendation.
Whisk Brooms:
Charles Watts, Peoria.....Highest commendation.
A. J. Neil, Peoria.....Highest commendation.
Cane Seat Chairs:
Bloomington Furniture Co., Bloomington.....Silver medal.
Milk and Provision Safe:
G. W. Dustin.....Highest commendation.
G. F. Edwards, Oneida.....High commendation.
Churn:
J Richardson, Williamsville, Mo.....Highest commendation.
J. N. Frost, Peoria.....High commendation.
Self Heating Flat Iron;
C. W. Campbell, Peoria.....Highest commendation.
Bee Hive:
Edson Gerry, Garden City, Minn.....Highest commendation.
L. Adams, Mason City.....High commendation.
Book Shelf and Wall Pocket:
Wm. Fisher, Peoria.....High commendation.
Ironing Board:
B. F. Stricklin, Peoria.....Highest commendation.

LOT 61—MANUFACTURES OF VARIOUS KINDS.

Baking Powder, Saleratus:
B F. Miles, Peoria.....High commendation.
James Pyle, New York City.....Highest commendation.
Wire Rack, Baskets:
H R. VanEpps, Peoria,.....High commendation.
Display of Fire Brick:
Pottery Co., Peoria.....Highest commendation.
Chinch Bug Trap:
L. H. & N. M. Faunce, Montrose.....High commendation.
Display of mixed paints and Colors:
Hanna, Barrett & Co., Chicago.....Highest commendation.
Holden & Tascott, Chicago.....High commendation.
Toilet Set in Wood:
M. J. Pense, Concord, Ohio.....Highest commendation.
Saw Set:
J. G. Tattershall, Henry.....High commendation.
Combination Door Plate, Bell and Mail Receiver:
J. J. Rose, Bloomington.....High commendation.
Bag Holder:
B. B. Downs, Eau Claire, Wis.....Highest commendation.
Rubber Goods for Printing, etc.:
E. M. Bayne, St. Louis, Mo.....High commendation.
Fly Trap:
Dickson & Cole, Peoria.....Highest commendation.
R. L. V. Deal, Moneka.....
Window Shade:
R. L. V. Deal, Moneka.....High commendation.
Portable Stock Feeder:
J. M. Spencer, LaPlata, Mo.....Highest commendation.

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CLASS F—SECTION 2.

K. K. JONES, *Superintendent.*

LOT 62—ENGINES, MACHINERY, ETC.

Upright Steam Engine:
Albert Miner, Warsaw.....Highest commendation.

Double Cylinder Wheat Screen:
F. M. Fish, St. Louis, Mo.....Highest commendation.

Model of Corn Marker:
J. Sargent, Peoria.....Highest commendation.

Model of Portable Hay, Cotton and Brown Corn Press:
T. H. Beveridge, Sullivan.....Highest commendation.

Hay Rake and Loader:
Marion & Tarbell, Peoria.....Highest commendation.

Fence-making Machine:
S. W. Hall, Elmira.....Highest commendation.

Grass Seed Cleaner:
J. L. Custer, Bonaparte, Iowa.....Highest commendation.

Wire Farm Fence:
H. M. Ruse, Waterman Station.....Highest commendation.

Tubular Clay Fencing:
Tubular Clay Fence Co., Mt. Pleasant, Iowa.....Highest commendation.
A. M. Oplin, Mt. Pleasant, Iowa.....Highest commendation.

Self-oiling Coal Mine Car:
Weber, Fry & Co., Pekin.....Highest commendation.

Railroad Car Starter:
Thomas Scholey, Peoria.....Highest commendation.

LOT 63—IMPLEMENTS, VEHICLES, ETC.

Horse Detacher:
Alt. Gerdes, Peoria.....Highest commendation.

Row Boat, Oars and Row Lock:
A. F. Grey, Peoria.....Highest commendation.

Steam Mash Rake:
John Chas. Birket, Peoria.....Highest commendation.

Practical Farm Fence:
R. L. Taylor, Manchester, Iowa.....Diploma.

Machine for Catching Potato Bugs:
W. G. Swartz, Fairview.....Highest commendation.

Gate:
Webster Husey, Brimfield.....Highest commendation.

CLASS H—HORTICULTURE.

LOT 72—FLOWERS AND PLANTS.

English Joy:
Elizabeth Comegys, Peoria.....High commendation.

Perpetual Roses:
Elizabeth Comegys, Peoria.....High commendation.

Collection of Zenias:
Geo. S. Haskell & Co., Rockford.....High commendation.
Mrs J. Conrad, Trivoli.....High commendation.

Collection of Coxcombs:
Mrs. J. Conrad, Trivoli.....High commendation.

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CLASS I—FINE ARTS.

LOT 76—SCULPTURE, PAINTING, DRAWING, ETC.

Marine Painting:
F. Dirkson, Peoria ..... Highest commendation.

Landscape in Water Colors:
F. Dirkson, Peoria ..... Highest commendation.

Crystal Painting:
Miss Mary E. Varney, Delavan ..... Silver medal.

Display of Printing:
Peoria Transcript Company ..... Highest commendation.

Chronological Chart:
Sebastian C. Adam, Salem, Oregon ..... Silver medal.

Picture Frames:
John H. Stilwell, Peoria ..... Highest commendation.

Photographic View:
J. Vandrelzen, Peoria ..... Highest commendation.

LOT 77—WAX, FEATHER, HAIR WORK, ETC.

Air Castle:
Miss Anna Bard, Peoria ..... Highest commendation.
Mrs. E. Colclough, Peoria ..... High commendation.

CLASS K—TEXTILE FABRICS.

LOT 79—HOUSEHOLD FABRICS.

Cotton Knit Socks:
Mrs. W. B. Peake, Petersburg ..... Commended.
Miss Belle G. Richmond, Moro ..... Commended.

Linen Knit Stockings:
Miss Belle G. Richmond, Moro ..... Commended.

LOT 80—NEEDLE WORK.

Lady's Corset:
Mrs. W. H. Wilson, Chillicothe ..... High commendation.

Sofa Cushion:
Miss Flora E. Poorman, Williamsville ..... High commendation.

Fancy Comb Case:
Mrs. P. Conrad, Trivoli ..... High commendation.

Pair Linen Netted Tidies:
Mrs. Johanna Furst, Peoria ..... High commendation.

Patch Work by Girl without Arms:
Miss Caroline Moore, El Paso $10

Ornamental Needle Work:
Miss Mary E. Drach, Peoria ..... High commendation.

Cheneille Work:
Mrs. J. A. Williams, Quincy ..... Commended.

White Quilt—Solid Work on Muslin:
Mrs. A. E. Johnston, Rantoul ..... Highest commendation.
Mrs. J. Nearing, Kenny ..... High commendation.

Tidy, by Girl under twelve years:
Miss Amanda W. Pickerell, Harristown ..... High commendation.

Fine Shirt, made by hand:
Jemima Rouse, Peoria ..... High commendation.

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STATEMENTS OF EXHIBITERS.

STATEMENT OF B. WHITAKER—APPLES.

WARSAW, *Jan.* 2, 1875.

A. M. GARLAND, *Secretary*:

The following 32 varieties are for the entry under the head "Best collection of Apples, not less than ten varieties."

Fall Wine, Rambo, Fall Pippin, Jonathan, Esopus, Spitzenburg, Fulton, Tolpehocking, Baldwin, Romanite, Peck's Pleasant, White Bellflower, Penn, Red Streak, Hubbardson's None Such, Northern Spy, Roman Stem, Golden Gate, Michael Henry Pippin, Red Canada, Georgia Mundi, Rhode Island Greening, Paradise Winter Sweet, Lady's Sunting, Yellow Bellflower, Rome Beauty, Wythe, Willow Twig, Winter Wine, Pryor's Red, Genetin, Wine Sap, Seek-no-further and Ben Davis.

The following list of 6 kinds of Apples are sent in competition for premium for "Best and most profitable 6 varieties of Winter Apples for market."

Ben Davis.—Tree hardy; constant bearer; will keep till May and later; as a market apple the most popular and profitable; brings the highest market price; stands shipping to southern climates; trees suited to all localities, but grows in its greatest perfection bordering on the Mississippi as the specimens exhibited will show; flavor of fruit, second quality, but its fine, handsome red color, and its three superior qualities, place it *first*, as the best and the most profitable market apple.

Willow Twig.—Is a hardy tree; good bearer; long keeper and well known as a leading market apple; the fruit is second quality.

Winesap.—A handsome apple; red; medium size; good bearer and keeper; tree hardy; constant bearer; fine flavor; first quality.

Genetin.—One of the oldest cultivated varieties; tree hardy; alternate bearer; blooms late; fruit first quality; in season from February to May. Trees are still productive here, that were planted forty years ago; suited to all localities.

Jonathan.—A hardy, vigorous tree; suited north and south; a handsome red apple; medium size; fine flavor and aroma; a desirable and profitable apple of the first quality.

Minkler.—Tree very hardy; prolific bearer; suited to all localities; fruit medium to large; handsome; smooth; first quality; in season from January to May. The more this apple is known, the more popular and deserving it gets—and it may become the rival of the Ben Davis, for its three qualities of bearing, keeping, and market value.

The above list embraces the six best and most profitable apples for market, based on bearing and keeping qualities, and their estimation in market.

B. WHITAKER.

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Statement of Dunlap & Sons—Apples.

For 10 varieties, for Central Illinois, we enter the following list:

Rawle's Janet.—An old stand by; a regular and prolific bearer; long keeper; tree perfectly hardy; late bloomer.

Winesap—Regular and constant bearer; tree hardy; fruit medium size; keeps until May and June.

Snow or Fameuse.—Tree vigorous; spreading and abundant bearer; fruit fair size; flesh white; skin deep red; season September to January.

Ben Davis or New York Pippin.—Stands at the head of the list for market; fruit highly colored; firm, salable and keeps through March.

Rome Beauty.—Tree upright; vigorous grower; bears young; produces annual crops; keeps through March.

Willow Twig.—Tree slow grower while young; perfectly hardy; bears well; fruit good size; keeps until June.

Jonathan.—A most beautiful apple; excellent flavor; commands the highest price; tree hardy and productive.

Limber Twig.—Fruit of medium size; firm; keeps until June; will stand rough handling; tree hardy.

Yellow Bellflower.—An old, well known variety; fruit much sought after; fine flavor; tree slow grower; bears well, alternate years.

Domine.—An excellent apple for eating or cooking; above medium size; tree hardy and produces well.

For best 6 varieties of Winter Apples for market, we enter the following:

Rome Beauty.—Tree upright; vigorous grower; bears young; produces annual crops; fruit keeps until March.

Rawle's Janet.—One of the old stand-bys; a regular and prolific bearer; long keeper; tree perfectly hardy; late bloomer.

Smith's Cider.—A desirable market apple; bears rough usage; long keeper; tree somewhat inclined to overbear alternate years.

Winesap.—Sought after by everybody as a reliable apple for family use; keeps through May; quality of the best; tree one of the most hardy; one of the most profitable market varieties.

Willow Twig.—Tree slow grower when young; perfectly hardy; bears annual crops of good sized fruit; salable; long keeper.

Ben Davis or New York Pippin.—Stands at the head of the list for market; fruit highly colored; firm; salable; keeps through March; quality second rate; tree one of the most hardy and abundant bearers.

M. L. Dunlap & Sons.

Statement of W. C. Flagg—Apples.

Awarded premium as best 10 varieties of Apples for Southern Illinois.

Gilpin, Newtown Pippin, Nickajack, Pryor's Red, Rawle's Janet, Shockley, White Pippin, White Winter Pearmain, Willow Twig, Winesap.

W. C. Flagg.

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Statement of W. H. Lightfoot—Apples.

Submitting collection as best and most profitable 6 varieties of Winter Apples for market.

1. *Rawle's Janet or Genetin.*—Medium, with dull stripes; delicious; good for table and cider; tree hardy; early and great bearer; December to April.

2. *New York Pippin* (Baltimore Red or Ben Davis of some.)—Large; striped; showy; most superb; hardy tree; enormous bearer; most profitable market variety grown; time for table and preserves, December to April.

3. *Peck's Pleasant.*—Large, roundish, yellow, with a blush; flesh yellowish, juicy, with a fine, aromatic flavor; very fine for table, cooking and cider; an annual bearer and very profitable; December to March.

4. *Willow Twig.*—Large, striped, hardy, vigorous; early and splendid annual bearer; very best for cooking; very valuable, profitable and popular, as a long keeper; December to July.

5. *Winesap.*—Medium, red, excellent, no apple more esteemed; rapid grower; hardy, early and most profuse bearer; flesh, yellow, firm, rich, juicy; fine for table, cooking and cider; January to March.

6. *Seek-no-further* (Westfield.)—Medium and above, striped, dull red, mild, tender, luscious; fine for table and cider; deservedly popular for hardihood and great productiveness; a very profitable market variety; November to March.

Statement of Springer Brothers—Wines.

The Catawba Wine exhibited by us was made in October, 1870. The must was fermented in a close cask with syphon attached to the bung. The wine was racked in the following February, and again in January, 1872. Since then it has been kept bottled and sealed.

The Concord Wine of 1870 was made in September of that year. One hundred and fifty lbs. of grapes were gathered and stemmed, when they were found to weigh 104 lbs. They were then mashed and put to ferment on the skins. After standing 48 hours, 19 qts. of juice was drawn, without pressure. On being pressed, 8 qts. (nearly) additional was obtained—19+8=27 qts—called it 6¾ gallons, allowing for waste. To this was added 3 galls. of water and 6 lbs. of white sugar. The wine was drawn off in February, 1871, bright and clear, and again in January, 1872, at which time it was bottled, heated and sealed.

Concord "B," 1872.—Made from the pure juice of the grape, except that to 47 galls. of juice was added a mere trifle of sugar—only a few ounces. Can furnish to the Secretary of the Board a more complete statement of this wine next week, if desired. Have not our record book at hand at this meeting.

Concord "C," 1872.—This wine was fermented for two days in an open headed bbl. covered with a cloth. It was then drawn and the pomace pressed. Fermentation was continued, with syphon attachment, until in October, when the syphon was removed and the barrel bunged close. The wine was racked into another barrel somewhat smaller than the first, in January, 1873.

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Concord "D," 1872.—Entered as best wine of any grape—was made about the middle of October, 1872. To 28 galls. pure juice, added 8 galls. of water and 12 lbs. of white sugar. Fermented with syphon attachment, then filled up with sugar water (about 1 gallon) and bunged close. Racked, January, 1873, and again in March, 1874.

Delaware "B," 1872.—Made in September, 1872. To 12 galls. of juice added about 2 lbs. sugar, and fermented under pressure. Racked in February 1873, again in February, 1874, and at last racking, bottled and sealed.

Respectfully,
SPRINGER BROTHERS.

STATEMENT OF HENRY FUNK—WINE.

By this I give you a statement of the manufacture and preservation of my Norton Wine. I let the grapes get thoroughly ripe. When gathered, I will have all unripe berries to be picked out, then the grapes are mashed and put into a vat; after two days, I press off. I weigh the must by Oechsle's must scale, and add white sugar to it until it weighs 100 degrees, then I gallise it by one-fourth of water in which sugar is dissolved to the same standard of the must. I put it in clean casks or barrels and let it ferment; over the bunghole I lay a few grape leaves and put light weights on them to keep them to their place. After the fermentation is over, I fill up the empty space in the cask and bung up tight. Toward the middle or end of January I rag it from the lees and put it again in clean casks, and keep constantly full. In April or first part of May I rag off again as before, and keep the casks full.

Colored Concord Wine.—In making this wine, I let the grapes hang till late until they get heavy frosted, so that the berries will somewhat freeze. After gathering, I will have all unripe berries to be picked out; then the grapes are mashed and the must pressed off. I weigh the must by Oechsle's must scale, and add white sugar to it until it weighs 90 degrees, then I gallise it by one-fourth of water in which sugar is dissolved to the same standard of the must. I put it in clean casks or barrels and let it ferment. Over the bunghole I lay a few grape leaves, and put light weights on them to keep them in their place. After the fermentation is over, I fill up the empty space in the cask and bung up tight. Toward the middle or end of January, I rag it from the lees and put it again in clean casks and keep them constantly full. In April or first part of May, I rag off again as before and keep the casks full.

Respectfully submitted,

Bloomington, Ill. HENRY FUNK.

STATEMENT OF WM. D. NEFF—VINEYARD.

Wm. D. Neff, of Ottawa, Illinois, submits the following report of his vineyard of seven acres, (situated one mile west from the Rock Island depot, in Ottawa, Ill., LaSalle county,) planted with about 5,000 Concord vines. Four hundred one year old roots were set out in 1869;

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2,400 one year old layers were planted the following spring; 2,200 one year old layers the fall following—all set out in hexagon form, which allows the greatest number of vines per acre: one vine planted at each angle of the hexagon, and one in the centre, so as to allow cultivation in three directions, through the entire vineyard. This vineyard has a southeastern exposure, and a declivity of 70 feet in the distance of 40 rods. The soil is a strong clay loam, intermixed with gravel in some parts. The plants were set in holes, dug in such form at right angle with the bluff, about three feet in width, the bottom of the hole dug out to the edge of the slope to facilitate drainage; otherwise the sub-soil, being heavy clay, would hold water about the roots to the injury of the vines. One hundred and fifty rods of two inch drain tile was laid, from 2½ to 4 feet deep, in different parts of the vineyard. The branches are cut back to two or three buds each, in the fall or early spring, and tied to single stakes about three feet from the ground, so that when in bearing they hang pendant from the stake on all sides. In 1873 the yield was ten tons of very fine grapes. This year its yield was in excess of twenty tons, and about twelve tons were sold at an average of five cents per pound; the remainder were made into wine. The yield of must was, on an average, one gallon to every thirteen pounds of grapes. The cost of the entire cultivation does not exceed the cost of cultivating the same number of acres in corn. The value of this year's layers and cuttings will, at a fair price, more than pay the expenses of cultivation, as the vines have given 50,000 cuttings and 2,000 layers. Summer pruning is done as soon as practicable after the grapes are set.

Respectfully submitted.

WM. D. NEFF.

STATE OF ILLINOIS, } ss.
LaSalle County. }

Wm. D. Neff, being first duly sworn on his oath, deposes and says that the foregoing statement of his vineyard, made by him, is true. to the best of his knowledge and belief, and that as to quantity of grapes produced, he is informed by those fully competent to judge that the foregoing estimate is much too small.

WM. D. NEFF.

Subscribed and sworn to before me, this 16th day of November, A. D. 1874.

ARTHUR LOCKWOOD, *Justice of the Peace.*

The undersigned do hereby certify that we visited the vineyard of Wm. D. Neff, when in full bearing, about the fifteenth day of October, A. D. 1874, and we found the same in very fine condition, clear of weeds, in excellent tilth; and after making careful estimate and examination, we believe the same to have then in bearing thirty tons of fruit, and in good condition, and we believe that Mr. Neff's report is fully correct.

H. L. BRUSH,
ARTHUR LOCKWOOD,
WM. CULLEN,
SHERMAN LELAND.

STATEMENT OF A. BRYANT—NURSERY.

Having placed my nursery in competition for the premium offered by you, I submit the following statement:

This nursery is located one-half mile south of the city limits of Princeton, in the county of Bureau and township of Princeton, and is a continuation of the original nursery, first established in 1845 by Arthur Bryant, Sen.

The first planting in present location (to which this statement alone refers) was made in the spring of 1869, and consisted of about six acres, mainly apple grafts, evergreens, etc. In the spring of 1870, about seven

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acres were added, mostly fruit and ornamental trees. In 1871, twelve acres were planted, considerable space being devoted to tree seedlings, as well as fruit and shade trees, and small fruits. In 1872, '73 and '74, from six to seven acres were added each year, making a total of about forty-five acres in nursery. This refers only to the enlargement of the grounds, much of it having been re-planted when stock had been taken up, and of this no account had been given.

The soil is the ordinary black prairie, with a clay sub-soil at a depth of twelve to eighteen inches. In preparing for planting, the ground is usually plowed to a moderate depth only—back-furrowed in "lands" of about five to six rods in width, and then brought to a proper condition by harrowing, etc. Sod ground we prefer to break very shallow in the fall, and harrow down and cross-plow in the spring, using a trench plow if for very small stock or the ground is very soddy.

Of fruit trees, the apple is grown in by far the largest quantity, and is propagated almost exclusively by root-grafting. Next in quantity comes the cherry, and these are usually budded on Mahaleb stocks, which are planted out in nursery rows, for this purpose, and budded the same season. Peaches, pears and plums come next, and are all propagated by budding, though root-grafting is practiced on them, to some extent, as well as the cherry, on Murello stock; but this mode has not been found to be uniformly successful.

The trees being planted in nursery rows (from three and a third to four feet apart), are given the best of cultivation during the growing season. The common five tooth cultivator, and the one-horse side and shovel plows, with the two-horse walking cultivator, are the principal implements used in cultivation; however, when the ground becomes very dry and lumpy, the clod crusher is run between the rows, for the purpose of pulverizing and compressing the earth, and to kill small weeds. Hand cultivation is given whenever needed, but as much as possible is done by horse power. Cultivation ceases about August 1st to 15th, and at the last working oats are sown broadcast over the ground and plowed in—the object being to keep down weeds, and to furnish a mulch to prevent freezing and thawing of the surface of the ground in changeable weather.

Pruning is principally done in March and May and June. The principal part of the work is done the first time; the last time, pinching back new shoots and rubbing off sprouts is the main part of the work. Manures are but little used on trees directly, we preferring to use the ground after taking off a crop of trees for farm crops, a year or two, and applying the manure—which is principally stable manure, composted—to them.

In planting trees, great care is taken to mark all varieties correctly, with suitable stakes, and an accurate record is kept of each planting, which can be referred to at any time.

It is a maxim with us that it pays to give good cultivation and keep ahead of the weeds, and to this end the ground is frequently stirred during the growing season, and weeds are not allowed to go to seed on any portion of the ground.

Evergreens are extensively grown, being a specialty with us. A portion of our stock of native varieties, such as Hemlock, White Pine, Arborvitæ, etc., is obtained from the forests of Wisconsin, when quite small, and planted closely under screens of brush, mulched with sawdust, leaves, etc., and allowed to remain two years, when they are trans-

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planted into nursery rows, if large enough, or bedded in open ground, if small. The rest of above and other varieties are partly raised from seed on our own grounds, and partly procured from those who make an exclusive business of growing evergreen seedlings.

After planting in nursery rows, care is taken to thin out before they crowd each other to injure their symmetry. All double-leaders and one-sided trees are pruned into shape, going over them about once a year for this purpose.

We take pains to grow good roots to our trees as well as good tops, and to insure this, stock is frequently transplanted, or what answers the same purpose, root-pruned with the *Tree-Digger*. This applies to all other stock, as well as evergreens, all being now planted with reference to using this implement whenever it may seem advisable.

Our market is confined to no one particular section, the home retail trade of Bureau and adjoining counties probably averaging about one-third *in value* of our entire sales; the rest is made up of shipments to all parts of the country—the heaviest trade, however, being in Illinois, Iowa, Nebraska, Missouri and Wisconsin. The Forest Tree and Seed trade is mainly West. Shipments East are mostly small stock and tree seedlings, and these principally to nurserymen.

We regard the Evergreen Department as the most profitable branch of the business during the last few years. The largest revenue has been from fruit trees and plants, of which the Cherry and Gooseberry, for amount invested, have been most profitable. Apple and other fruit stocks are raised in considerable quantities, and in some seasons pay well, but the demand and prices fluctuate greatly.

The nursery is laid out as per annexed diagram, which explains itself. The divisions into blocks are permanent, the corners being marked, so as to define the exact limits, for convenience in plowing, planting, etc. As the rows on the different blocks all run in the same direction, it is practicable and customary to run through three or four blocks when cultivating by horse-power, and thus economise labor and time in turning. The main central avenue is 20 feet wide, with parallel and cross alleys of 12 feet, at intervals of about 20 rods, also a roadway of same width around the outside.

About a half mile of tile drain has been laid in the most needed portions of the grounds, so that at all times the whole is in a condition to work.

Respectfully submitted,

A. BRYANT, JR.

STATEMENT OF SPAULDING & CO.—NURSERY.

We commenced our nursery operations in 1858, in the city of Springfield, near the present location of the Toledo, Wabash & Western Railway Shops. Until 1861, we devoted twenty-four acres to the growth of nursery stock. We then rented twelve acres adjoining the old grounds.

In 1862 we rented a piece of land containing thirty acres, lying west of the city and in 1863, twenty acres, lying north of the city, all of which was prepared in the best possible manner, and planted to nursery stock.

In 1866 we purchased a tract of land situated in township 16, north range, 4 west, it being the north half of the north-west quarter of sec-

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tion 10. It is in Sangamon county, near Riverton station, on the Toledo, Wabash & Western Railway, about six miles east from Springfield, and consists of fine timber land of a strong clayey loam, varying somewhat on different portions of the tract, some of the knolls containing considerable sand, and in the depressions narrow strips of black loam. The subsoil is a redish clay, with occasional deposits of sand resting upon clay. The whole tract inclines a little to the south, and is intersected by three low ridges, two of which extend nearly across, the other about half way. In addition to the above we rented a tract containing thirty acres adjoining the last purchase, which we planted entirely to Apple grafts the first year.

In 1866 we commenced a complete and extended system of underdrainage on the tract we had lately purchased, and before the close of 1867 had completely under-drained about seventy acres. Since then we have completely under-drained the entire tract, most of which, before draining, would have been considered sufficiently dry for ordinary farming purposes, but the low land between the ridges could not have been cultivated, and there were a few acres besides that could have been made available only for pasture. Between these ridges mentioned above, mains were laid of 5-inch tile, 3 to 4½ feet deep, following the natural course of the depressions formed by the ridges. Connecting with the mains laterals were laid from 3 to 4½ feet deep, 30 feet apart, of the 2, 3 and 4-inch tile, as the character of the soil seemed to require; but most of the laterals were laid with the 2-inch size. This general plan was carried out through the whole system, and only varied from as the character of the surface and economy of construction required. However, no great variation was found necessary, as the inclination of the surface was quite regular, and the laterals are mostly at right angles with the mains until near the connection, where they are turned down a little to allow them to discharge their contents somewhat in the direction of the current in the mains.

In regard to the benefit derived from tile draining we have no doubt but what our past and future success rests greatly on our tile-drained lands, and we cannot but suppose that it would prove of the utmost benefit to the farming community if they would lay 4 and 5-inch tile in the depressions on their lands, and so locate them that they could at any time in the future attach all necessary laterals.

Up to the present time we have not been obliged to use much manure for the culture of nursery stock, "our main nursery being on new timber soil," except for the successful culture of dwarf and stunted Pears. In preparing the land for their culture we use manure from a compost heap, with 3 or 4 bushels of salt, 6 to 8 bushels of lime, and an equal amount of plaster to the acre.

In preparing the land for all kinds of nursery stock we generally trench-plow. Leading varieties of fruit trees propagated are Apple, Peach, Pear, Plum and Cherry. Our Apples are propagated mostly by root grafts; Peaches, Plums, Pears and Cherries by budding. We first take the utmost pains to grow the best of stocks on which to bud and graft. We then plant in the best possible manner, taking great care to keep them thoroughly cultivated, and allowing no weeds to form seed on our grounds.

In 1866, at the same time we planted in apple grafts the thirty acres adjoining our Riverton tract, we planted on that and on our own grounds about 800,000 Apple grafts of the leading Western varieties. Since then we have planted annually from four to five hundred thousand,

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with a corresponding proportion of other nursery stock. But for the past few years we have been paying our attention more to the cultivation of Pears, Peaches, Plums and Cherries, finding them a great success on our under-drained timber land.

Since 1863, we have made the propagation of Evergreens a specialty; but have paid particular attention to the propagation of Irish Junipers, which we grow from cuttings in our green-house to the number of about fifty thousand a year. When they have attained a height of from 6 to 8 inches they are taken to the nursery, where they are transplanted, and afterwards transplanted or root-pruned once or twice. They are disposed of both by wholesale and retail, at all sizes, from 6 inches to 3 feet. With us they have proved perfectly hardy, not having apparently been damaged in the least by the unusually cold winter two years ago.

Several years ago we obtained some new varieties of Evergreens, which we have been propagating and testing. A few of them proved a great acquisition or success, among which is the Cracavitæ. It has the compact habit and symmetrical form of the Irish Juniper, more rapid in growth, a beautiful shade of green, and perfectly hardy. Of this we have several thousand, and are increasing our stock as rapidly as possible; also the Dwarf Swedish Juniper, Variegated Arborvitæ, and Parsons' Compacta, all of which have proved very desirable and perfectly hardy. Among all the old varieties of Evergreens we grow largely of is the Siberian Arborvitæ, which we propagate from cuttings and transplant in our grounds with great success. Our present stock of Evergreens, including the sizes from 1 to 5 feet, numbers about two hundred thousand.

Formerly, or at an early day, we were largely engaged in the propagation of the then new varieties of grapes, which proved very profitable to us. Latterly our Evergreen stock has perhaps yielded us the largest profit. We prune decideous trees mostly in the months of March and April. Evergreens are sheared mostly in the month of May.

The products of the nursery have generallybeen marketed in Central Illinois, with the exception of our wholesale trade, most of which has been for the Gulf States.

SPAULDING & Co.

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REPORTS FROM COUNTY AGRICULTURAL BOARDS.

The following reports from County Agricultural Boards have been received. But few of these reports embrace all the information demanded by section 8 of the act in relation to the Department of Agriculture, and particularly enumerated in the following clause of the by-laws of the State Board of Agriculture:

20. Each County Agricultural Board shall report annually, through its Secretary, and shall forward such report to the Secretary of the State Board of Agriculture, on or before the 15th day of November. Such report should embrace:

1. Name and postoffice address of its President, Secretary and other officers; the number of its members, the number of volumes in its library, and the cash value of property owned by the Board, including stock.

2. Such statement of its transactions for the preceding year as may be necessary to a correct appreciation of the means employed and results accomplished by such Board in promoting the agricultural and industrial interests of the region covered by its organization. This statement to include the amount offered as premiums at the last exhibition; the general character of such exhibition, with the number of entries in each department thereof; together with copies of such essays, statements and statistics collected as may be deemed worthy of publication or notice in the annual report of the State Board of Agriculture. When two or more organizations are represented in a County Agricultural Board, then the report of such Board should embrace a separate report from each organization so represented, covering the points heretofore mentioned.

3. Suggestions in regard to any subject it may be thought desirable to bring to the notice of the State Board of Agriculture, or, through said Board, to the people of the State, or to the General Assembly.

ADAMS COUNTY.

OFFICERS.

President—W. T. Yeargen, Quincy.
Vice-Presidents—A. R. Wallace, Camp Point; James Shinn, Quincy.
Treasurer—J. W. Dean, Adams P. O., Adams county.
Secretary—T. Butterworth, Quincy.

Number of members		200
Number of volumes in library		None.
Cash value of property, including stock		$2,000
Time of holding Fair in 1874	October 14, 15, 16 and 17	
Amount offered in premiums in 1874		800
Amount paid in premiums in 1874		550
Number of entries of cattle	25	
" " horses, mules and asses	102	
" " sheep	16	
" " hogs	60	
" " poultry	5	
" " machinery	10	
" " farm products, fruits, flowers, etc	141	
" " miscellaneous articles	88	
Total number of entries	447	

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Adams county, the second county in the State, is developing a great fruit interest. The shipments of fruit from this city (Quincy) this year exceeds the shipments of any two previous years in the fruit growing history of this county; and when we consider the superior quality of the fruit raised here, and the superior facilities for direct shipment north and northwest by the several lines of railroads and the Mississippi river, we are not at all surprised that the farmers of this county are planting out their entire farms in fruit; not only for the great staples, apples and peaches, but the small fruits, strawberries, blackberries, grapes, etc., are rapidly increasing in acreage every year.

We have compiled the following report to show the extent of the fruit interest of this county, and of the business capacity of this city to successfully handle it. Most of the apple packers are also pork packers:

APPLES.

Shipper.	Barrels.
Notter & Rothgeb	8,940
F. H. Aldrich	8,000
Benbrook & Sawyer	5,000
J. Q. Adams & Co	3,600
E. P. Burns	2,500
Dix & Terfoot	2,250
Knollenberg & Co	2,100
Vanderboom & Bloomer	2,000
C. S. Gove	2,000
Owen, Thom & Co	2,000
Adams, Sawyer & Co	1,940
George Schulthies, Jr	1,800
C. Cathman	930
Other packers	5,000
	48,068

PEACHES.

Shipper.	Boxes.
Bartlett & Co	59,459
Nelson & Ayers	42,877
Notter & Rothgeb	41,250
Geo. Wells, canning factory	10,500
J. C. Walters	10,000
Wells & Castle	5,000
W. W. King	2,450
Other dealers	10,000
	181,536

SMALL FRUITS.

There were 150,000 quarts of strawberries shipped and sold here during this season, and 100,000 quarts of blackberries and raspberries, and a very large crop of grapes that we could not get any report of.

There are still large quantities of apples that have been packed by the growers for winter market.

WHEAT, CORN, ETC.

This county is also a superior wheat-growing county, being on the northern tier of the fall and winter wheat district, and lying along the limestone bluffs of the Mississippi, there is not only a good yield of wheat, but a pretty sure crop every year.

Corn is less grown than in former years, when land was cheaper.

Hay. With the superior market, the acreage of grass land is increasing. Large quantities of it is baled and shipped from different railroad towns in the county.

In Fine Stock, the principal interest is in Hogs; several noted breeders of Poland-Chinas. The Berkshires are also quite popular, and the Exsex and Suffolks are being introdnced. The Sheep interest is increas-

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ing; the Cotswold and Merinos are the popular breeds. The Short-Horn Cattle are increasing in numbers; the Jerseys and the Ayrshires are being introduced. The Percheron or Norman Horses are not yet introduced in this county, although there are a good many admirers of them here. Fine, or improved Poultry is being extensively introduced in this county, mostly the Asiatics.

MANUFACTURING.

Quincy, the county seat of this county, has 35,000 inhabitants; is rapidly growing, and is developing a great manufacturing interest. In the manufacture of flour there are 140 hands employed, turning out $2,500,000 worth of flour per annum; plug tobacco, 500 hands, and $2,000,000 worth of tobacco; stoves and iron foundries, 370 hands, and $1,000,000 worth of stoves and castings; while in wagons, carriages, furniture, agricultural implements, corn planters, hay presses, plows, planing mills, woolen mills, organs, midlings, purifiers, brick, gas, ice, breweries, distilleries, crackers, confectionery, casks and barrels, fruit and pickles, stone and marble ware, machine shops, school desks, all together employ 3,349 hands, with property valued at $2,191,000, and the annual value of manufactured products is $9,906,000. What would Quincy be without these manufactories? She would have been unknown to fortune and to fame to-day. It is the rising city of the West, and one of the three greatest commercial cities of the West—Chicago, St. Louis and Quincy.

There is one Agricultural Paper—"The Western Agriculturist"—published in Quincy; there are also three dailies and four weekly newspapers.

T. BUTTERWORTH,
Secretary Adams County Agricultural Board.

BOONE COUNTY.

OFFICERS.

President—Ezra May, Belvidere.
Vice-President—D. R. Andrus, Belvidere.
Secretary—A. E. Jenner, Belvidere.
Treasurer—W. S. Jones, Belvidere.
Directors—A. O. Whitbeck, Belvidere; Luke Tuple, Belvidere; Abram Drake, Caledonia Station; A. H. Manley, Hunter P. O.; L. P. Woods, Genoa; L. W. Lawrence, Belvidere; George Sands, Capron; Philo Conyer, Union Corners; Densley Kezar, Cherry Valley; W. C. Vandercook, Cherry Valley; H. P. Kimball, Rockford.

Number of members		208
Number of volumes in library		None.
Cash value of property, including stock (probably)		$10,000 00
Time of holding Fair in 1874		August 25th to 28th
Amount offered in premiums in 1874 (exclusive of Diplomas)		2,452 75
Amount paid in premiums in 1874, " "		1,773 50
Number of entries of cattle	117	
" " horses, mules and asses	147	
" " sheep	44	
" " hogs	41	

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Number of entries of	poultry		95
" "	machinery		57
" "	farm products, fruits, flowers, etc		161
" "	textile fabrics		205
" "	fine arts, musical instruments, etc		206
" "	miscellaneous articles		142
Total number of entries			1,215

This county is one of the smallest in the State (eight townships), but a good agricultural section. No other considerable town but this (Belvidere). We have about 3,000 inhabitants. There are two railroads crossing the county, east and west, and one running from Belvidere north to Madison, Wisconsin. We are largely an agricultural community. Our present needs are manufactures, and we think Belvidere an available point for their establishment.

Our Agricultural Society established its present Fair Grounds in 1867; have about thirty acres of land on the bank of the river, about one mile from the postoffice—a splendid site, plenty of shade and water, —a natural amphitheatre, and good, level half-mile track, with commodious exhibition buildings, stalls, sheds, pens and coops. In 1867, we had eight entries of Durham cattle, but not a full blood among them. This year we had fifty-four entries of Short-Horns, and all herd-book animals. There has not been as great improvement in all departments, still it has been very marked. Our Society is now run by a stock company, and the number of members given is the number of stockholders.

A. E. JENNER,

Secretary Boone County Agricultural Board.

BROWN COUNTY.

OFFICERS.

President—David A. Watson, Mound Station.
Vice-President—Wm. J. Taylor, Cooperstown.
Treasurer—James M. Kendrick, Mount Sterling.
Secretary—A. K. Lowry, Mount Sterling.
Directors—A. A. Parks, Cooperstown; W. H. Brackenridge, Versailles; H. C. Northern, Hersman; J. N. Robeson, Mound Station; Geo. W. M'Coy, Hersman.

Number of members			1,000
Number of volumes in library			None.
Cash value of property, including stock			$3,500 00
Time of holding Fair in 1874			September 22, 23 and 24
Amount offered in premiums in 1874			2,000 00
Amount paid in premiums in 1874			1,350 00
Number of entries of	cattle	68	
" "	horses, mules and asses	245	
" "	sheep	32	
" "	hogs	65	
" "	poultry	14	
" "	machinery	16	
" "	farm products, fruits, flowers, etc	110	
" "	textile fabrics	163	
" "	fine arts, musical instruments, etc	65	
" "	miscellaneous articles	246	
Total number of entries		1,024	

A. K. LOWRY,

Secretary Brown County Agricultural Board.

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BUREAU COUNTY.

OFFICERS.

President—Rufus Ford, Buda.
Vice-Presidents—D. Knight, Princeton; George N. Palmer, Princeton; C. H. S. Powers, Tiskilwa.
Secretary—J. W. Templeton, Princeton.
Treasurer—Wm. H. Winter, Princeton.

Number of members (estimated)			900
Cash value of property, including stock			$12,000 00
Time of holding Fair in 1874		Sept. 8, 9, 10 and 11	
Amount offered in premiums in 1874			3,500 00
Amount paid in premiums in 1874			2,800 00
Number of entries of cattle		32	
" "	horses, mules and asses	151	
" "	sheep	22	
" "	hogs	56	
" "	poultry	55	
" "	machinery	65	
" "	farm products, fruits, flowers etc	375	
" "	textile fabrics	197	
" "	fine arts, musical instruments, etc	33	
" "	miscellaneous articles	154	
Total number of entries		1,130	

J. W. TEMPLETON,
Secretary Bureau County Agricultural Board.

CARROLL COUNTY.

OFFICERS.

President—Dr. E. M. McAffee, Mt. Carroll.
Vice-President—John H. Deeds, Mt. Carroll.
Treasurer—W. H. Long, Mt. Carroll.
Secretary—C. L. Hostetter, Mt. Carroll.

Number of members			641
Number of volumes in library			7
Cash value of property, including stock			$2,000 00
Time of holding Fair in 1874		September 1, 2, 3 and 4.	
Amount offered in premiums in 1874			3,000 00
Amount paid in premiums in 1874			1,830 85
Number of entries of cattle		87	
" "	horses, mules and asses	151	
" "	sheep	9	
" "	hogs	42	
" "	poultry	33	
" "	machinery	14	
" "	farm products, fruits, flowers etc	131	
" "	textile fabrics, needle work, etc	95	
" "	fine arts, musical instruments, etc	24	
" "	miscellaneous articles; pantry stores, 408; total	610	
Total number of entries		1,196	

A noticeable feature was the fine show of imported Percheron and Norman horses. These were owned in the county, as follows: Belle Fontaine, a three year old, imported in 1873 from the district of Perche, France, for Duncan Mackay, Esq., who has been among the first to agitate the matter of improving our native breeds of horses. The York Norman Horse Company own the Norman Stallions, Leroy and Cheri, imported about the same time as above, by Mark W. Dunham. Leroy is seven

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years old, light dapple-gray, weight 1,950 pounds; Cheri six years old, dark dapple-gray, weight 2,010 pounds. They are kept at the farm of E. Bailey, in York township. In 1874 Messrs. Stricklin and Hallet imported the Norman Stallion Cap Sheaf, a bright dapple-gray, six years old, weight about 1,700 pounds, through N. C. Buswell of this State, from Laigh, France. They are all fine specimens of the noble French horses, and a number of their colts exhibited at the Fair, demonstrate the truth of the old adage that "blood will tell."

There were on exhibition also three distinct herds of Short-Horns and a large herd of Jerseys. As to the request in the law of a statement regarding the means employed in the management of our Fair, etc., much might be said. This much, however, may not be out of place, that the officers, owing to the liberal premiums offered, made extra exertions to have it a financial success, but by having a series of trots every day, admitting several "wheels of fortune," and chartering a balloon, which, on attempting to go up, "bust up," caused a great deal of dissatisfaction. It was a financial success, however, and the liberal premiums offered brought out the best show of stock we have ever had in the county.

C. L. HOSTETTER,
Secretary Carroll County Agricultural Board.

CASS COUNTY.

OFFICERS.

President—John Milt Epler, Little Indian.
Vice-President—P. A. Buraker, Little Indian.
Secretary—R. W. Rabourn, Virginia.
Treasurer—Jacob N. Epler, Virginia.
Directors—John Prunty, Ashland; R. R. Stevenson, Little Indian; Robert Hale, Virginia; J. J. Stribling, Ashland; Z. Jeff Crum, Virginia.

Number of members		150
Time of holding Fair in 1874	September 1, 2, 3 and 4.	
Amount offered in premiums in 1874		$2,800 00
Amount paid in premiums in 1874		2,200 00
Number of entries of cattle		35
" " horses, 231; mules, 29; and asses, 3; total		263
" " sheep		12
" " hogs		39
" " poultry		14
" " machinery		15
" " farm products, fruits, flowers, etc		521
" " textile fabrics		176
" " fine arts, musical instruments, etc		23
" " miscellaneous articles		152
Total number of entries		1,250

R. W. RABOURN,
Secretary Cass County Agricultural Board.

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CHAMPAIGN COUNTY.

OFFICERS.

President—H. T. Aspern, Champaign.
Treasurer—Geo. F. Beardsley, Champaign.
Secretary—H. J. Dunlap, Champaign.

Number of members			186
Cash value of property, including stock (estimated)			$25,000 00
Time of holding Fair in 1874		September 9, 10, 11 and 12.	
Amount offered in premiums in 1874			2,550 00
Amount paid in premiums in 1874			2,180 00
Number of entries of cattle		60	
" "	horses, mules and asses	110	
" "	sheep	40	
" "	hogs	150	
" "	poultry	30	
" "	machinery	100	
" "	farm products, fruits, flowers, etc	211	
" "	textile fabrics	345	
" "	fine arts, musical instruments, etc	75	
" "	miscellaneous articles	80	
Total number of entries		1,201	

H. J. DUNLAP,
Secretary Champaign County Agricultural Board.

CHRISTIAN COUNTY.

OFFICERS.

President—John B. Ricks, Taylorville.
Vice-President—James A. Simpson, Palmer.
Secretary—Wm. A. Goodrich, Taylorville.
Treasurer—John S. Fraley, Taylorville.
Directors—Wm. T. Baker, Grove City; Thornton Hunter, Owenaco; Aaron Vandeveer, Pana; Young B. Clark, Alfin Wall, Clarksdale.

Number of members			80
Cash value of property, including stock			$3,000 00
Time of holding Fair in 1874		October 13.	
Amount offered in premiums in 1874			1,325 00
Amount paid in premiums in 1874			1,240 00
Number of entries of cattle		33	
" "	horses, mules and asses	148	
" "	sheep	23	
" "	hogs	36	
" "	poultry	10	
" "	machinery	17	
" "	farm products, fruits, flowers, etc	71	
" "	textile fabrics	30	
" "	fine arts, musical instruments, etc	15	
" "	miscellaneous articles	30	
Total number of entries		413	

In 1872 we held a County Fair, but owing to the smallness of the grounds (the T., W. and W. R. R. having run through it), it did not prove a success. In 1873 we did not hold a Fair, but sold our Fair grounds and bought new 22 acres. We did not expect to hold a Fair

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this year, but on the 20th of June the officers met and borrowed $2,000 and immediately commenced improving. We have one of the finest Fair grounds in the State, one-third of a mile tract, very fine, and running water the whole length of our grounds. We expect to have a fine Fair next year.

W. A. GOODRICH,
Secretary Christian County Agricultural Board.

CLAY COUNTY.

OFFICERS.

President—Crawford Erwin, Louisville.
Vice-President—Wm. H. Hudelson, Louisville.
Treasurer—James Wilders, Louisville.
Secretary—H. R. Neff, Louisville.
Executive Committee—Wm. Foreman, C. McKnight, M. H. Davis, Darling Long, C. Erwin, Louisville.

Number of members		14
Cash value of property, including stock		$3,400 00
Time of holding Fair in 1874	September 15 to 19.	
Amount offered in premiums in 1874		514 00
Amount paid in premiums in 1874		318 00
Number of entries of cattle	9	
" " horses, mules and asses	29	
" " sheep	9	
" " hogs	3	
" " poultry	8	
" " farm products, fruits, flowers, etc.	113	
" " textile fabrics	45	
Total number of entries	216	

Our Fair for 1874 was not a success—the summer was very dry, causing almost a total failure of corn, oats and vegetables; fruits also suffered materially from the drought. To the Chinches must be charged a share of the failure of the grain crops. The quality of the stock and all other articles exhibited were very creditable. The Board feels determined, for the ensuing year, to redouble their energies in making their Fair more beneficial and attractive to the agricultural classes and all others. Wayne and Marion counties held their Fairs at the same time ours was held. This detracted somewhat from the attendance and interest of our Fair. It is noted that our Fairs held late in the season have all been the most successful.

Very respectfully,
H. R. NEFF,
Secretary Clay County Agricultural Board.

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FLORA DISTRICT FAIR ASSOCIATION.

OFFICERS.

President—W. B. Wilson, Flora.

Vice-Presidents—Isaac Jones, Xenia; C. Beasley, Flora; R. A. Mass, Jeffersonville.

Secretary—W. G. McCollough, Flora.

Assistant Secretary—Jones T. Tounsley, Flora.

Corresponding Secretary—M. S. Featherstone, Flora.

Directors—W. B. Wilson, H. M. Todd, M. B. Fletcher, H. M. Presley, J. P. Adnadle, Wm. Lock, H. Ellingsworth, J. R. Norris, Flora; John Isom, J. S. Symonds, Xenia; H. Mills, J. I. McCawley, Clay City.

Number of members			276
Number of volumes in library			7
Cash value of property, including stock			$25, 000 00
Time of holding Fair in 1874		September 29 and 30, and October 1 and 2.	
Amount offered in premiums in 1874			4, 500 00
Amount paid in premiums in 1874			3, 393 60
Number of entries of cattle		51	
" "	horses, mules and asses	214	
" "	sheep	42	
" "	hogs	65	
" "	poultry	24	
" "	machinery	36	
" "	farm products, fruits, flowers, etc	442	
" "	textile fabrics	257	
" "	fine arts, musical instruments, etc	76	
" "	miscellaneous articles	6	
Total number of entries		1, 213	

JOHN T. TOUNSLEY,
Secretary Flora District Fair Association.

CRAWFORD COUNTY.

OFFICERS.

President—Wm. Updike, Robinson.

Vice-Presidents—O. Newlin; Annapolis; S. Newlin, Hutsonville; A. J. Reavill, Morea.

Recording Secretary—W. Swaren, Robinson.

Assistant Secretary—W. L. Heustiss, Robinson.

Treasurer—W. Parker, Robinson.

Marshall—D. M. Bates. Oblong.

Number of members			300
Cash value of property, including stock			$2, 000
Time of holding Fair in 1874		September 29 and 30, and October 1 and 2.	
Amount offered in premiums in 1874			1, 200
Amount paid in premiums in 1874			820
Number of entries of cattle		26	
" "	horses, mules and asses	62	
" "	sheep	35	
" "	hogs	29	
" "	poultry	11	
" "	farm products, fruits, flowers, etc	296	
" "	textile fabrics	38	
" "	fine arts, musical instruments, etc	2	
" "	miscellaneous articles	40	
Total number of entries		469	

W. SWAREN,
Secretary Crawford County Agricultural Board.

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CUMBERLAND COUNTY.

OFFICERS.

President—Joseph Berry, Majority Point.
Secretary—L. L. Logan, Majority Point.
Treasurer—Wm. L. Bruster, Majority Point.
Directors—W. N. Berry, Wm. Grissimall, Lewis Harvey, Majority Point; Wm. Neal, Diana; Harlo Part, Greenup.

Number of members		29
Number of volumes in library		23
Cash value of property, including stock		$1,000 00
Time of holding Fair in 1874	September 23, 24, 25 and 26.	
Amount offered in premiums in 1874		700 00
Amount paid in premiums in 1874		382 25
Number of entries of cattle	8	
" " horses, mules and asses	88	
" " sheep	9	
" " hogs	4	
" " poultry	5	
" " machinery	11	
" " farm products, fruits, flowers, etc	29	
" " miscellaneous articles	98	
Total number of entries	252	

The Cumberland County Agricultural Board held their second annual Fair at the Fair Ground, on the 23d, 24th, 25th and 26th of September. In the ladies' department there were only 98 entries. Farm products, 29 entries; Farm Implements, 11 entries; Sheep, 9 entries; Cattle, 8 entries; Hogs, 4 entries; Poultry, 5 entries; Jacks, 2 entries; Horses, 83 entries; Trotting, 21; Pacing, 8. Total number of entries, 273. Amount of premiums offered, $700. Total paid out on premiums, $382 25.

The Fair was lightly attended on account of rain and cloudy weather. It will be seen that we had a small entry on everything except horses. I attribute it to the failure of crops. In our section of the country the chinch bug commenced early on the wheat, thereby making the crop short at least one-third. Corn at that time looked well, but the bug went on it and there is not more than one half crop; oats will only be about one-third crop; grass, only about one half crop; sweet potatoes, we have a full crop; Irish potatoes, about one-half crop was injured by the bugs; flax, about two-thirds. Best time in trotting, 3 min. 7 sec. Different circumstances have combined to work against our showing as large a total of entries this year as we did last, though our entries in some departments were above those of the previous year. The great failure in crops the present season limited our showing to a very considerable degree, though in every sense of the word our Fair this year was a complete success; it was well attended and thoroughly enjoyed, and we were enabled to pay out the indebtedness contracted the previous year for needed improvements, such as new stock stalls, pens, seats and other improvements that were indispensable.

The people of Cumberland county have begun to feel that the present Board is determined to make the Fair a success, and they now feel like lending a helping hand. We are constantly making improvements on our grounds, and it is our expectation, with the help of a favorable season, to give a yet more extensive exposition of the resources of our county, at the next annual meeting, than has been given.

L. L. LOGAN,
Secretary Cumberland County Agricultural Board.

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DEKALB COUNTY.

OFFICERS.

President—Hubbard Latham, Sandwich.
Vice-President—David E. Harmon, Sandwich.
Treasurer—Geo. N. Culon, Sandwich.
Corresponding and Recording Secretary—N. E. Ballou, Sandwich.
Directors—H. F. Winchester, Sandwich; William Henning, Plano; Thos. Fumie, Fox; Wiliiam Patten, Somonauk; M. B. Castle, Sandwich.

Number of members		75
Number of volumes in library		175
Cash value of property, including stock		$3,500
Time of holding Fair in 1874	September 23-26.	
Amount offered for premiums in 1874		3,000
Amount paid in premiums in 1874		1,800
Number of entries of cattle	110	
" " horses, mules and asses	125	
" " sheep	51	
" " hogs	63	
" " poultry	55	
" " machinery	50	
" " farm products, fruits, etc	151	
" " textile fabrics	175	
" " fine arts, musical instruments	75	
" " miscellaneous articles	115	
Total number of entries	970	

NAHUM E. BALLOU,
Secretary Union Agricultural Institute.

DEKALB COUNTY AGRICULTURAL BOARD.

OFFICERS.

President—N. E. Ballou, Sandwich.
Vice-President—Samuel Alden, Sycamore.
Treasurer—E. P. Safford, Sycamore.
Secretary—Edwin Waite, Sycamore.

OFFICERS OF DEKALB COUNTY AGRICULTURAL ASSOCIATION, AT SYCAMORE.

President—S. C. Hale, Sycamore.
Vice-President—R. A. Smith, Sycamore.
Treasurer—E. P. Safford, Sycamore.
Secretary—Edwin Waite, Sycamore.

Number of members		127
Cash value of property, including stock		$4,000
Time of holding Fair in 1874	September 29 and 30, and October 1 and 2.	
Amount offered in premiums in 1874		1,055
Amount paid in premiums in 1874		710
Number of entries of cattle	62	
" " horses, mules and asses	183	
" " sheep	21	
" " hogs	43	
" " poultry	13	
" " machinery	25	
" " farm products, fruits, flowers, etc	64	
" " textile fabrics	42	
" " fine arts, musical instruments, etc	16	
" " miscellaneous articles	30	
Total number of entries	499	

EDWIN WAITE,
Secretary DeKalb County Agricultural Board.

DOUGLAS COUNTY.

OFFICERS.

President—Sam'l Waddell, Tuscola.
Vice-President—Wm. Howe, Tuscola.
Secretary—E. Daggy, Tuscola.
Treasurer—Wm. R. Johnson, Tuscola.
Directors—Elijah McCarty, Wm. Cummins, Louis Moore, Owen J. Jones, Tuscola; J. D. Murdock, Murdock; Thos. Bryan, Tuscola; Geo. W. Henson, Camargo; J. W. Burgett, Brushy Fork; John Moorehed, Arcola.

Number of members			18
Cash value of property, including stock (only stock)			$250
Time of holding Fair in 1874		September 15–18.	
Amount offered in premiums in 1874			1,400
Amount paid in premiums in 1874 (payment was made *pro rata*)			806
Number of entries of cattle			22
"	"	horses, mules and asses	98
"	"	sheep	7
"	"	hogs	19
"	"	poultry	12
"	"	machinery	45
"	"	farm products, fruits, flowers, etc	293
"	"	textile fabrics	67
"	"	fine arts, musical instruments, etc	57
"	"	miscellaneous articles	38
Total number of entries			658

E. DAGGY,
Secretary Douglas County Agricultural Board.

DUPAGE COUNTY.

OFFICERS.

President—C. W. Richmond, Naperville.
Secretary—A. S. Landon, Wheaton.
Treasurer—J. A. Patrick, Wheaton.

Number of members			140
Cash value of property, including stock (18 acres land, used as Fair Grounds)			$4,000
Time of holding Fair in 1874		August 31, and September 1 and 2.	
Amount offered in premiums in 1874			815
Amount paid in premiums in 1874			546
Number of entries of cattle			27
"	"	horses, mules and asses	50
"	"	sheep	20
"	"	hogs	15
"	"	poultry	57
"	"	reading and declamations	7
"	"	farm products, fruits, flowers, etc	42
"	"	textile fabrics	112
"	"	fine arts, musical instruments, etc	43
"	"	miscellaneous articles	47
Total number of entries			380

A. S. LANDON,
Secretary DuPage County Agricultural Board.

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EDGAR COUNTY.

OFFICERS.

President—H. S. Elliott, Paris.
General Superintendent—Wm. B. Wilson, Paris.
Secretary—A. Gus. Walker, Paris.
Treasurer—R. N. Parrish, Paris.
Directors—J. I. Blackman, Paris; O. S. Jones, Paris; Wm. B. Webster, Paris; Wm. B. Culbertson, Cologne; Wm. S. O'Hara, Paris; Wm. Blackburn, Paris.

Number of members			50
Cash value of property, including stock			$5,000 00
Time of holding Fair in 1874		Sept. 8th to 12th	
Amount offered in premiums in 1874			2,500 00
Amount paid in premiums in 1874			2,500 00
Number of entries of cattle		64	
" "	horses, mules and asses	341	
" "	sheep	46	
" "	hogs	42	
" "	poultry	23	
" "	machinery	54	
" "	farm products, fruits, flowers, etc	399	
" "	textile fabrics	26	
" "	fine arts, musical instruments, etc	255	
Total number of entries		1,250	

The undersigned, Secretary of the Association, begs leave to report that this Society is in a prosperous condition.

The last annual Fair, which commenced on the 8th and continued till the 12th of September, was a success. The display of farm and horticultural products was large and full, and superior in point of merit. The show of stock was excellent; no inferior animals were on exhibition. There was a large show of farming implements, machinery, articles of home manufacture, textile fabrics, dairy and kitchen products. etc., etc., larger and better than at any former Fair, and the whole was pronounced by competent judges a *first class display.* The farmers and mechanics who compete annually at our Fair are a wide-awake, ambitious and liberal class of men, and their wives and daughters enter with spirit and determination with them into the competition.

I cannot speak too highly of the ability and perseverance, liberality and energy of the President and Directors of the Association.

During the past year valuable and extensive improvements have been made on the Fair grounds, for the convenience and accommodation of exhibiters and visitors; and the Association can now justly claim that we have a convenient and attractive place at which to hold our annual meetings. The attendance, this year, was unusually large, and the exercises of the most attractive and satisfactory character.

W. C. Walker, Esq., late Secretary of the Association, died on the 11th day of April, last, and the Board was deprived of his valuable services and suggestions. Mr. Walker was a liberal, zealous, energetic member of the Association, and his loss is felt and appreciated by his associates.

The officers and members of the society are determined to continue in the course of well-doing, and the very liberal support and encouragement afforded them by the farmers, mechanics and citizens generally, of the county, is assurance that each succeeding annual Fair will be better than the last. The former success of this society and its present

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prosperous condition, give assurance that it is an *Institution* of the county which is to continue and be the source of further good results.

It may not here be amiss to add, that this (Edgar) county, in an agricultural point of view, may claim to be one of the most desirable in the State. The soil is unsurpassed for fertility, and there is hardly a single acre of its whole area which cannot be occupied for useful purposes. There is abundance of timber (and that of the best quality), the best of building materials, and coal in exhaustless abundance and easily obtained. Railroad communication in all directions, affording first class commercial facilities, and a genuine, go ahead, active, enteprising population.

With all these advantages, and the Agricultural and Mechanical Association to excite emulation, and freedom, fervency and zeal in the people to keep place in the front rank, our progress will be *onward*.

A. GUS. WALKER,
Secretary Edgar County Agriculutral Board.

EFFINGHAM COUNTY.

OFFICERS.

President—J. L. Gillmore, Edgewood.
Vice-President—Samuel Campbell, Effingham.
Treasurer—Henry G. Habing, Effingham.
Secretary—James C. Brady, Effingham.
Directors—Thomas H. Dobbs, Effingham; Frank Kreke, Effingham; Jno. G. James, Watson; Mike O'Donnell, Edgewood; J. B. Humes, Watson.

Number of members		105
Number of volumes in library		5
Cash value of property, including stock		$7,850 00
Time of holding Fair in 1874	Oct. 6, 7, 8 and 9	
Amount offered in premiums in 1874		2,500 00
Amount paid in premiums in 1674		1,191 50
Number of entries of cattle	46	
" " horses, mules and asses	170	
" " sheep	9	
" " hogs	48	
" " poultry	25	
" " machinery	9	
" " farm products, fruits, flowers, etc	259	
" " textile fabrics	132	
" " fine arts, musical instruments, etc	19	
" " miscellaneous articles	80	
Total number of entries	797	

E. H. BISHOP,
Secretary Effingham County Agricultural Board.

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FAYETTE COUNTY.

OFFICERS.

President—Henry F. Jerauld, Vandalia.
Vice-Presidents—John Walker, Vandalia; James E. Foster, Vandalia.
Treasurer—Richard T. Higgins, Vandalia.
Asst. Treasurer—A. Campbell, Vandalia.
Directors—J. C. Peak, T. B. Murray, O. E. Lovett, Wm. Buchannan, J. F. Maddox, John Thompson, Alfred Griffith.
Secretary—Robt. W. Ross, Vandalia.
Asst. Secretary—Chas. B. Lessurg, Vandalia.

Number of members		207
Number of volumes in library		None.
Cash value of property, including stock		$5,000 00
Time of holding Fair in 1874	Sept. 23, 24 and 25	
Amount offered for premiums		1,100 00
Amount paid in premiums		900 00
Number of entries of cattle	50	
" " horses, mules and asses	159	
" " sheep	65	
" " hogs	27	
" " poultry	23	
" " machinery	49	
" " farm products, fruits, flowers, etc	172	
" " textile fabrics	93	
" " fine arts, musical instruments, etc	38	
" " miscellaneous articles	247	
Total number of entries	923	

ROBT. W. ROSS,
Secretary Fayette County Agricultural Board.

FORD COUNTY.

OFFICERS.

President—William Neal, Paxton.
Vice-President—C. W. Mehany, Paxton.
Treasurer—Geo. Wright, Paxton.
Secretary—John J. Simons, Paxton.
Corresponding Secretary—C. U. Frew, Paxton.
General Superintendent—John Bodley, Paxton.
Superintendent Floral Hall—B. F. Hill, Paxton.

Number of members		350
Cash value of property, including stock		$4,500 00
Time of holding Fair in 1874	Sept. 29 to Oct. 2	
Amount offered in premiums in 1874		1,500 00
Amount paid in premiums in 1874 in cash		1,030 00
Number of entries of cattle	25	
" " horses, mules and asses	85	
" " sheep	2	
" " hogs	37	
" " poultry	16	
" " machinery	20	
" " farm products, fruits, flowers, etc	82	
" " textile fabrics	69	
" " fine arts, musical instruments, etc	34	
" " miscellaneous articles	38	
Total number of entries	408	

JOHN J. SIMONS,
Secretary Ford County Agricultural Board.

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GIBSON CITY AGRICULTURAL BOARD.

OFFICERS.

President—Joshua E. Davis, Gibson.
Vice-Presidents—O. A. Means, Saybrook; M. L. Sullivant, Burr Oaks.
Secretary—G. S. Eggleston, Gibson.
Treasurer—J. H. Collier, Gibson.
Cor. Secretary—T. D. Spalding, Gibson.
General Superintendent—D. H. Snyder, Gibson.

Number of members		137
Cash value of property, including stock		$6,000 00
Time of holding Fair in 1874	Sept. 1, 2, 3 and 4	
Amount offered in premiums in 1874		2,500 00
Amount paid in premiums in 1874		1,800 00
Number of entries of cattle	33	
" " horses, mules and asses	186	
" " sheep	23	
" " hogs	89	
" " poultry	12	
" " machinery	20	
" " farm products, fruits, flowers, etc	140	
" " textile fabrics	75	
" " fine arts, musical instruments, etc	10	
" " miscellaneous articles	152	
Total number of entries	740	

GEO. S. EGGLESTON,
Secretary Gibson City Agricultural Board.

FRANKLIN COUNTY.

OFFICERS.

President—Emsley Moore, Benton, Ill.
Vice-President—Jeremiah Neal, Benton, Ill.
Treasurer—Wm. R. Ward, Benton, Ill.
Directors—Jackson Cook, Tamaroa, Ill.; J. C. Mann, Benton, Ill; Willis B. King, Ewing, Ill.; Wm. R. Webb, Webb's Prairie, Ill. Weldon Manion, Benton, Ill.; Willis Whittington, Benton, Ill.; J. R. Jones, Benton, Ill.; James Harrison, Mulkeytown, Ill.; W. B. Blake, Osage; John Murphy, Frankfort; S. Hamilton, Frankfort; Joseph Moore, Parish.

Number of members	Not a stock company.	
Number of volumes in library	None.	
Cash value of property, including stock		$3,000 00
Time of holding Fair in 1874	Sept. 29, 30, and October 1, 2.	
Amount offered in premiums in 1874		1,000 00
Amount paid in premiums 1874		800 00
Number of entries in cattle	36	
" " horses, mules and asses	162	
" " sheep	13	
" " hogs	17	
" " poultry	14	
" " machinery	14	
" " farm products, fruits, flowers, etc	156	
" " fine arts, musical instruments, etc	90	
" " miscellaneous articles	25	
Total number of entries	527	

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Franklin county is 18x24 miles, divided into 12 townships. Chief production for shipping, Wheat, Flax, Castor Beans, etc. Benton is the county town, and is located near the center, and has two finest flour mills in Southern Illinois. Just completing a fine court house. In Ewing township is located "Ewing Woolen Mills," also "Ewing College," an enterprise gotten up by farmers, and is the finest school for farmers in Southern Illinois. Board from $2 50 to $3 00, including everything, and is located in the country.

The County Fair is growing better every year; is now out of debt, and near $300 left after paying premiums. Every officer is a farmer and works on the farm. Can any other county say as much?

Yours, respectfully,

JOHN W. HILL,

Rec. and Cor. Secretary Franklin County Agricultural Board.

FULTON COUNTY.

OFFICERS.

President—Ira F. Elrod, Ipava.

Vice-President—D. J. Waggoner, Lewistown.

Secretary and Treasurer—C. T. Heald, Canton.

Directors—S. P. Cummings, Astoria; Joab Mershon, Vermont; Jno. A. Leeper, Farmington; H. L. Bryant, Lewistown; R. S. Voorhees, Fairview; Jerry Wilcoxen, Bryant; Howard Martin, Canton.

Number of members	500
Number of volumes in library	50

No Fair held in 1874 on account of proximity of State Fair.

C. T. HEALD,

Secretary Fulton County Agricultural Board.

AVON AGRICULTURAL BOARD.

OFFICERS.

President—L. M. Greene, Avon.

Vice-Presidents—J. B. Hatch, G. L. Snapp, John Woods, J. Lockwood, Avon; W. T. Austin, Avon.

Directors—W. H. Rose, H. N. D. Voorhees, A. J. Churchill, Avon; Joseph Lownes, Table Grove, Fulton county; John Bond, Herman, Knox county; O. Chatterton, Ellisville, Fulton county; J. A. Keith, Prairie City, McDonough county.

Treasurer—A. B. Tompkins, Avon.

Secretary—Oliver Crissey, Avon.

Number of members		150
Cash value of property, including stock		$8,000 00
Time of holding Fair in 1874	Sept. 8, 9, 10 and 11.	
Amount offered in premiums in 1874		2,500 00
Amount paid in premiums in 1874		2,100 00
Number of entries of cattle	259	
" " horses, mules and asses	223	
" " sheep	24	
" " hogs	178	

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Number of entries of poultry			27
"	"	machinery	26
"	"	farm products, fruits, flowers, etc	322
"	"	textile fabrics	174
"	"	fine arts, musical instruments, etc	47
"	"	miscellaneous articles	144
Total number of entries			1,424

This Society has held three Fairs, and they have all been successful. The show of cattle at the Fair of 1874 was pronounced by all to excel anything of the kind ever displayed in this section of the country. The Society gives two classes of premiums, one for the stockholders and one for the public, on all stock. The membership being composed of citizens of Fulton, McDonough, Warren and Knox counties, it receives strong support from the surrounding country. The Society owns twenty acres of land adjoining the town and have all the buildings necessary, a good half mile track and good wells. I don't think that a better located Agricultural Society exists. The farmers hereabouts are introducing the very best of breeds of cattle and horses, and the display in the Floral Hall was an evidence that the gentler sex assists in making our Fair attractive.

Very truly,

OLIVER CRISSEY,

Secretary Avon Agricultural Board.

GALLATIN COUNTY.

OFFICERS.

President—M. M. Poal, Shawneetown.
Vice-President—C. W. McGehee, Shawneetown.
Treasurer—John D. Richardson, Shawneetown.
Secretary—A. M. L. McBane, Shawneetown.

Number of members				81
Number of volumes in library			None.	
Cash value of property, including stock				$4,500 00
Time of holding Fair in 1874			Oct 5, 6, 7, 8 and 9.	
Amount offered in premiums in 1874				3,000 00
Amount paid in premiums in 1874				3,000 90
Number of entries of cattle			50	
"	"	horses, mules and asses	243	
"	"	sheep	5	
"	"	hogs	35	
"	"	poultry	2	
"	"	machinery	13	
"	"	farm products, fruits, flowers, etc	258	
"	"	textile fabrics	28	
"	"	fine arts, musical instruments, etc	13	
"	"	miscellaneous articles	6	
Total number of entries			653	

W. L. HALLEY,

Secretary Gallatin County Agricultural Board.

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GREENE COUNTY.

OFFICERS.

President—L. S. Eldred, Carrollton.
Secretary—W. W. Beaty, Carrollton.
Treasurer—L. F. Wheeler, Carrollton.

Number of members			188
Number of volumes in library			None
Cash value of property, including stock			$2,500 00
Time of holding Fair in 1874			Sept. 29 and 30, Oct. 1 and 2
Amount offered in premiums in 1874			2,500 00
Amount paid in premiums in 1874			2,000 00
Number of entries of cattle		60	
" "	horses, mules and asses	354	
" "	sheep	25	
" "	hogs	11	
" "	poultry	10	
" "	machinery	58	
" "	farm products, fruits, flowers, etc	514	
" "	textile fabrics	137	
" "	fine arts, musical instruments, etc	46	
" "	miscellaneous articles	36	
Total number of entries		1,250	

W. W. BEATY,
Secretary Green County Agricultural Board.

GRUNDY COUNTY.

OFFICERS.

President—Seneca Tupper, Morris.
1st Vice-President—J. H. Pattison, Morris.
2d Vice-President—W. H. Perkins, Minooka.
3d Vice President—Addison Newport, Morris.
Secretary—F. W. Tupper, Morris.
Treasurer—William Stephen, Morris.

Number of members			200
Number of volumes in library			None.
Cash value of property, including stock			$2,000 00
Time of holding Fair in 1874			Sept. 29 and 30, Oct. 1st.
Amount offered in premiums in 1874			1,200 00
Amount paid in premiums in 1874			590 00
Number of entries of cattle		46	
" "	horses, mules and asses	64	
" "	sheep	16	
" "	hogs	27	
" "	poultry	13	
" "	machinery	28	
" "	farm products, fruits, flowers, etc	62	
" "	textile fabrics	29	
" "	fine arts, musical instruments, etc	7	
" "	miscellaneous articles	5	
Total number of entries		297	

F. W. TUPPER,
Secretary Grundy County Agricultural Board.

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HAMILTON COUNTY.

OFFICERS.

President—Joseph Coker, McLeansboro.
Secretary—T. B. Stelle, McLeansboro.
Treasurer—A. T. Sullenger, McLeansboro.

Number of members, about		100
Number of volumes in library, about		100
Cash value of property, including stock, about		$500
Time of holding Fair in 1874		No Fair in 1874.
Amount offered in premiums in 1874		None.
Amount paid in premiums in 1874		None.
Number of entries of cattle		None.
" " horses, mules and asses		"
" " sheep		"
" " hogs		"
" " poultry		"
" " machinery		"
" " farm products, fruits, flowers, etc		"
" " textile fabrics		"
" " fine arts, musical instruments, etc		"
" " miscellaneous articles		"
Total number of entries		None.

We expect to re-organize our society in 1875, and make an effort for a first-class fair.

T. B. STELLE,
Secretary Hamilton County Agricultural Board.

HARDIN COUNTY.

OFFICERS.

President—James M. Jackson, Elizabethtown.
Vice-President—Jacob Drumm, Elizabethtown.
Treasurer—T. A. McAmis, Elizabethtown.
Recording Secretary—W. W Ayres, Elizabethtown.
Corresponding Secretary—L. F. Twitchell, Elizabethtown.
Directors—Henry Rose, W. F. Jackson, Charles Miller, Elizabethtown.

Number of members			65
Cash value of property, including stock			$2,200 00
Time of holding Fair in 1874			Sept. 23 to 26, inclusive
Amount offered in premiums in 1874			674 75
Amount paid in premiums in 1874			428 25
Number of entries of cattle		20	
" " horses, mules and asses		65	
" " sheep		1	
" " hogs		4	
" " poultry		6	
" " farm products, fruits, flowers, etc		65	
" " textile fabrics		21	
" " miscellaneous articles		25	
Total number of entries		207	

L. F. TWITCHELL,
Secretary Hardin County Agricultural Board.

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HENDERSON COUNTY.

OFFICERS.

President—Samuel Hutchinson, Biggsville.
Vice-President—J. B. Fort, Olena.
Recording Secretary—R. A. McKinley, Biggsville.
Corresponding Secretary—H. F. McAllister, Biggsville.
Treasurer—George McDill, Biggsville.
Executive Committee—S. H. McGraw, Rozetta; L. D. Salter, Kirkwood; J. G. Bichry, Olena; P. Groom, Raritan; J. C. Armstrong, Biggsville; A. McDougall, Biggsville; Robert Gibson, Biggsville; L. H. McCummon, Biggsville; John H. McDougall, Biggsville.

Number of members		440
Noumber of volumes in library		None.
Cash value of property, including stock		$4,000 00
Time of holding Fair in 1874		Sept. 29 and 30, and Oct. 1 and 2
Amount offered in premiums in 1874		1,800 00
Amount paid in premiums in 1874		1,800 00
Number of entries of cattle		46
" "	horses, mules and asses	235
" "	sheep	20
" "	hogs	60
" "	poultry	25
" "	machinery	30
" "	farm products, fruits, flowers, etc	157
" "	textile fabrics	156
" "	miscellaneous articles	48
Total number of entries		770

R. A. McKINLEY,
Secretary Henderson County Agricultural Board.

HENRY COUNTY.

OFFICERS.

President—Peter H. Beveridge, Cambridge.
Vice-President—A. A. Crane, Osco.
Secretary—R. H. Hinman, Cambridge.
Assistant Secretary—Frank G. Welton, Cambridge.
Treasurer—Wm. H. Shepard, Cambridge.
General Superintendent—J. C. Edwards, Cambridge.
Directors—Nath. B. Gould, Royce Allen, S. H. Lay, J. S. Hinman, S. D. Alfred, Jr.

Cash value of property, including stock		$9,000 00
Time of holding Fair in 1874		August 24 to 29.
Amount offered in premiums in 1874		5,000 00
Amount paid in premiums in 1874		2,261 00
Number of entries of cattle		60
" "	horses, mules and asses	120
" "	sheep	23
" "	hogs	72
" "	poultry	98
" "	machinery	14
" "	farm products, fruits, flowers, etc	203
" "	textile fabrics	74
" "	fine arts, musical instruments, etc	52
" "	miscellaneous articles	58
Total number of entries		774

R. H. HINMAN,
Secretary Henry County Agricultural Board.

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IROQUOIS COUNTY.

OFFICERS.

President—Isaac W. Wilson, Onarga.
Vice-Presidents—A. J. Alexander, Gilman; Horace Pinney, Onarga; Jonas S. Pusey, Buckley.
Secretary—Isaac Amerman, Onarga.
Treasurer—Enoch C. Hall, Onarga.
Advisory Committee—Wm. H. Mann, Gilman; Ed. Rumley, Gilman; F. P. Beach, Onarga; L. T. Clark, Onarga; D. W. Metzger, Onarga; Wm. A. Boswell, Onarga; A. H. Whiteside, Onarga.

Number of members		105
Number of volumes in library		None.
Cash value of property, including stock, over and above indebtedness		$1,500 00
Time of holding Fair in 1874, at Onarga		October 6 to 9
Amount offered in premiums in 1874		1,300 00
Amount paid in premiums in 1874		895 00
Number of entries of	cattle	53
" "	horses, mules and asses	155
" "	sheep	7
" "	hogs	46
" "	poultry	35
" "	machinery	5
" "	farm products, fruits, flowers, etc	341
" "	textile fabrics	66
" "	fine arts, musical instruments, etc	21
" "	miscellaneous articles	66
Total number of entries		795

ISAAC AMERMAN,
Secretary Iroquois County Agricultural Board.

WATSEKA BRANCH OF IROQUOIS COUNTY AGRICULTURAL SOCIETY.

President—John B. Wilson, Wellington.
Vice-President—John H. Jones, Milford.
Treasurer—Samuel Williams, Watseka.
Secretary—Robert Hays, Watseka.

Number of members		13
Time of holding Fair in 1874		September 8, 9, 10 and 11.
Amount offered in premiums in 1874		$1,450 00
Amount paid in premiums in 1874		1,425 00
Number of entries of	cattle	69
" "	horses, mules and asses	224
" "	sheep	6
" "	hogs	26
" "	poultry	10
" "	machinery	59
" "	farm products, fruits, flowers, etc	308
" "	textile fabrics	85
" "	fine arts, musical instruments, etc	22
" "	miscellaneous articles	5
Total number of entries		814

ROBERT HAYS,
Secretary Watseka Branch Iroquois County Agricultural Board.

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JACKSON COUNTY.

OFFICERS.

President—Silas Adsit, Murphysboro.
Secretary and Treasurer—E. B. Pellet, Murphysboro.
Directors—Jos. Gartside, St. Louis; Silas Adsit, Murphysboro; E. B. Pellet, Murphysboro; F. B. Hanks, DeSoto; Edward Schwartz, Elkville.
Superintendent—F. B. Hanks, DeSoto.

Number of members		60
Cash value of property, including stock		$4,000 00
Time of holding Fair in 1874	September 10, 11 and 12.	
Amount offered in premiums in 1874		968 32
*Amount paid in premiums in 1874		670 00
Number of entries of cattle	186	
" " horses, mules and asses	104	
" " sheep	13	
" " hogs	13	
" " poultry	17	
" " machinery	16	
" " farm products, fruits, flowers, etc	66	
" " textile fabrics	26	
" " fine arts, musical instruments, etc	18	
" " miscellaneous articles	22	
Total number of entries	313	

E. B. PELLET,
Secretary Jackson County Agricultural Board.

*NOTE. Balance of premiums will be paid.

JASPER COUNTY.

OFFICERS.

President—R. G. Scott, Ingraham.
Vice-President—James E. Freeman, Newton.
Secretary—Frank Richardson, Newton.
Treasurer—Wm. Johnson, Newton.
Trustees—John Love, Newton; James Manning, Newton; William Trobridge, Newton.

Number of members		503
Cash value of property, including stock		$1,500
Time of holding Fair of 1874,	September 30, and October 1 and 2.	
Amount offered in premiums in 1874		1,411
Amount paid in premiums in 1874		1,284
Number of entries of cattle	37	
" " horses, mules and asses	199	
" " sheep	13	
" " hogs	73	
" " poultry	30	
" " machinery	20	
" " farm products, fruits, flowers, etc	132	
" " textile fabrics	98	
" " fine arts, musical instruments, etc	30	
" " miscellaneous articles	141	
Total number of entries	773	

Our Fair this year was more than a success, more and better stock on exhibition and a larger crowd people than ever before.

There has been a marked improvement throughout the county in all industrial pursuits since the commencement of our Fairs.

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The principal productions of the county are corn, cattle, hogs and fall wheat. Of the last two, large crops are produced, especially wheat, there being fifty bushels raised where only one was raised six years ago. It being a fine quality much of it going into the eastern markets as No. 1.

FRANK RICHARDSON,
Secretary Jasper County Agricultural Board.

JEFFERSON COUNTY.

OFFICERS.

President—Capt. John R. Moss, Mt. Vernon.
Vice-President—Edgar Jones, Opdyke.
Treasurer—Albion F. Taylor, Mt. Vernon.
Corresponding Secretary—C. D. Ham, Mt. Vernon.
Recording Secretary—J. S. Bogan, Mt. Vernon.
General Superintendent—John C. McConnell, Dix P. O.
Delegates to State Board—John C. McConnell, James M. Galbraith, Samuel W. Jones.

Number of members		300
Number of volumes in library	All distributed which were not burnt.	
Cash value of property, including stock	(Estimated)	$3,500 00
Time of holding Fair in 1874	September 22, 23, 24 and 25.	
Amount offered in premiums in 1874		1,719 75
Amount paid in premiums in 1874		1,333 10
Number of entries of cattle		60
" " horses, mules and asses		150
" " sheep		15
" " hogs		36
" " poultry		78
" " machinery		11
" " farm products, fruits, flowers, etc		196
" " textile fabrics		95
" " fine arts, musical instruments, etc		
" " miscellaneous articles		41
Total number of entries		682

In compliance with the directions of the law, I have the honor to submit my report for the year 1874, of our Fair, etc. As a matter of course, the year has been a hard one with us, in common with our neighbors, and it was not until the August rains came that our Board determined upon holding a Fair at all. We were nearly burnt up, and no water, and the prospect for crops was gloomy in the extreme, but the rains came and we made the trial, and, although we had rain for two days of our Fair, we made a success of it in some respects at least.

The stock exhibited showed inprovement, particularly in cattle; but in hogs there was quite a falling off, owing to the prevalence of cholera. The wheat and corn were very good for the season, of which I will forward samples in a short time if desired.

The apple crop is very fine, and I shall also forward samples if you desire them.

To Messrs. McClellan & Evans, of Marion county, we were indebted for a fine display of pure Blood Norman Stallions at the Fair.

To Messrs. S. W. Jones, Samuel Gibson, G. W. Clarke, H. R. Dare, Hon. John Wilbanks, W. B. Casey and James C. Makey, and others, are we indebted to our improved cattle show.

To Ransom Medill, W B. Casey, Willie and Frank Bogan, Maurice Tolls and Oscar Fly, and L. A. Bien are we indebted for our increased poultry exhibition.

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The Ladies Department evinced an improvement over the last two years.

The breadth of wheat this Fall is largely in excess of last year, notwithstanding the ravages of that pest the "Chinch Bug."

The crop of pork will be limited in this county, but the quality will be good as it will be corn fed.

Corn has suffered in about the same proportion as wheat by the ravages of the chinch bug, but where there were no bugs corn is pretty good, particularly in lowlands.

Very respectfully,

JOHN S. BOGAN,
Recording Secretary Jefferson County Agricultural Board.

JERSEY COUNTY.

OFFICERS.

President—Hon. Oliver P. Powell, Jerseyville.
Vice-President—Edward Traube, Jerseyville.
Treasurer—Clarence M. Hamilton, Jerseyville.
Secretary—Morris R. Locke, Jerseyville.
Grand Marshal—Hon. David E. Beaty, Jerseyville.
Directors—J. M. Conklin, Jerseyville; L. L. Kirby, Jerseyville, C. M. Hamilton, Jerseyville; Jeremiah Beaty, Jerseyville; Hon. Henry O. Goodrich, Jerseyville; Col. Wm. H. Fulkerson; Jerseyville; Jasper M. Jasper Terry, Otterville; J. G. Arkerbauer, Fieldon; Joseph N. Lurton, Delhi; Richard T. Rich, Fidelity; C. C. Cummings, Jerseyville; Charles H. Voorhees, Jerseyville.
General Superintendent of Fair Grounds and Chief of Police—Ezekiel Davison, Jerseyville.
General Superintendent of Fine Arts Hall—Robert Newton, Jerseyville.
Department Superintendents—Peyton C. Walker, Class A; Joseph M. Page, Class B; John C. Winsor, Class C; Charles Brooks, Class D; Col. Chas. H. Knapp, Class E; John I. White, Class F; Robert Newton, Class G; Mrs. Oliver P. Powell, Mrs. Lewes Terrell, Mrs. John N. English, Mrs. John C. Winsor, Assistants; John F. Smith, Class H; Major Wm. S. Hawley, Class I; Lloyd W. Sunderland, Class J.
Arena—George H. Van Horne, Horses, etc.; James H. Kirby, Cattle.

Number of members			419
Number of volumes in library			31
Cash value of property, including stock			$19,336
Time of holding Fair in 1874		October 13, 14, 15 and 16.	
Amount offered in premiums in 4874			3,581
Amount paid in premiums in 1874			3,086
Number of entries of cattle		58	
" "	horses, mules and asses	474	
" "	sheep	65	
" "	hogs	60	
" "	poultry	91	
" "	machinery	56	
" "	farm products, fruits, flowers, etc	1,178	
" "	textile fabrics	137	
" "	fine arts, musical instruments, etc	239	
Total number of entries		2,358	

MORRIS R. LOCKE,
Secretary Jersey County Agricultural Board.

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JO DAVIESS COUNTY.

OFFICERS.

President—Richard Barrett, Galena.
Vice-President—E. M. Bouton, Galena.
Treasurer—S. C. Stillman, Galena.
Secretary—F. Bostwick, Galena.
Directors—Robert Brand, W. Reed, John C. Spare, F. Cheltain, D. A. Taylor, Galena.

Number of members		160
Cash value of property, including stock		$10,000 00
Time of holding Fair in 1874	September 29, 30, October 1, 2.	
Amount offered in premiums in 1874		4,800 00
Amount paid in premiums in 1874		1,500 00
Number of entries of cattle	110	
" " horses, mules and asses	125	
" " sheep	60	
" " hogs	70	
" " poultry	90	
" " machinery	40	
" " farm products, fruits, flowers, etc.	400	
" " textile fabrics	500	
" " fine arts, musical instruments, etc	120	
" " miscellaneous articles	250	
Total number of entries	1,765	

F. BOSTWICK,
Secretary JoDaviess County Agricultural Board.

UNION AGRICULTURAL SOCIETY, AT WARREN.

OFFICERS.

President—H. S. Townsend, Warren.
Vice-President—H. G. Fowler, Lena.
Secretary—Charles Cole, Warren.
Treasurer—James Bayne, Warren.
Directors—Jos. Hicks, Warren; Wm. Young, Lena; M. Lynch, Gratiot.

Number of members		85
Time of holding Fair, 1874	September 22 to 25.	
Amount paid in premiums		$918 55
Number of entries of cattle	57	
" " horses	55	
" " mules and asses	9	
" " sheep	7	
" " swine	11	
" " poultry	33	
" " mechanical and agricultural implements	13	
" " mechanical products	10	
" " farm, mill and household products	148	
" " horticultural products	45	
" " fruits	10	
" " textile fabrics	99	
" " fine arts, musical instruments and specials	35	
Total number of entries	532	

CHARLES COLE,
Secretary JoDaviess, Stephenson and Lafayette County Union Agricultural Society.

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KANE COUNTY.

OFFICERS.

President—B. C. Yates, Geneva.
Secretary—W. H. Pease, Geneva.
Treasurer—S. W. Curtis, Geneva.

Number of members		28
Number of volumes in library	No library.	
Cash value of property, including stock		$1,000 00
Time of holding Fair in 1874	October 9, 10, 11 and 12.	
Amount offered in premiums in 1874		5,000 00
Amount paid in cash premiums in 1874		750 00
Number of entries of cattle	40	
" " horses, mules and asses	90	
" " sheep	75	
" " hogs	40	
" " poultry	10	
" " machinery	30	
" " farm products, fruits, flowers, etc.	160	
" " textile fabrics	280	
" " fine arts, musical instruments, etc.	42	
" " miscellaneous articles	482	
Total number of entries	1,249	

The Kane County Agricultural Board being in debt to the amount of about $800, the Executive Committee offered but a very low premium list this year, giving diplomas in most cases, when the same could be given in any kind of liquidation or satisfaction to the exhibiter for articles shown, thinking by so doing they might pay the old debts. The premium list amounted to about $5,000, including diplomas at their full value; the amount paid in cash in premiums about $750; total receipts, $796; leaving the old debt about as it stood last year. Our exhibition includes all agricultural, horticultural, manufactured goods, machinery, etc., usually on exhibition at County Fairs.

This county is composed of fifteen original townships, and perhaps are not excelled by any other like number of contiguous territory in the State or Northwest. It possesses excellent agricultural qualities. Its productions are chiefly wheat, corn, oats, rye, barley, potatoes, pork and beef, sheep and wool, a very large amount of butter and cheese, poultry and eggs, and a number of manufactures, and has one of the very best water-courses running through it that is in the State, on which is the most magnificent scenery and abundant water-power, if only brought into use for the manufactury, woolen, cotton, any and every kind of machinery that would support, in this county alone, five hundred thousand inhabitants in the business of manufacturing. Fox river runs about 35 miles in this county, on which there are nine dams, viz: Dundee, Elgin, Clintonville, St. Charles, Geneva, Batavia, North Aurora, Aurora and Montgomery. At this place, we have on the river four flouring mills, with 17 run, all included.

W. H. PEASE,
Secretary Kane County Agricultural Board.

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KANKAKEE COUNTY.

OFFICERS.

President—Charles B. Foster, Kankakee.
Vice-President—A. S. Vail, Momence.
Treasurer—H. C. Clarke, Kankakee.
Secretary—B. H. Hathaway, Kankakee.

Number of members		627
Number of volumes in library	None.	
Cash value of property, including stock		$3,000 00
Time of holding Fair in 1874	September 29 to October 2.	
Amount offered in premiums in 1874		2,075 00
Amount paid in premiums in 1874		1,870 50
Number of entries of cattle	76	
" " horses, mules and asses	186	
" " sheep	24	
" " hogs	74	
" " poultry	103	
" " machinery	32	
" " farm products, fruits, flowers, etc.	206	
" " textile fabrics	101	
" " fine arts, musical instruments, etc.	24	
" " miscellaneous articles	47	
Total number of entries	973	

M. D. BUTTS,
Secretary Kankakee County Agricultural Board.

KENDALL COUNTY.

OFFICERS.

President—John S. Seely, Oswego.
Secretary—J. M. Gale, Bristol.
Treasurer—J. A. Godard, Bristol.
Marshal—Geo. W. Willett, Bristol.

Number of members		250
Number of volumes in library	None.	
Cash value of property, including stock, 16 acres of land, buildings, etc		$3,800 00
Time of holding Fair in 1874	First four days of September.	
Amount offered in premiums in 1874, about		2,000 00
Amount paid in premiums in 1874, about		350 00
Number of entries of cattle	19	
" " horses, mules and asses	125	
" " sheep	9	
" " hogs	14	
" " poultry	25	
" " machinery	54	
" " farm products, fruits, flowers, etc.	208	
" " textile fabrics, needle-work and household	149	
" " fine arts, musical instruments, etc.	34	
" " miscellaneous articles	36	
Total number of entries	673	

The Kendall County Agricultural Board has been laboring under a debt for several years past, now happily overcome, placing the Society in a position to give all the money after paying expenses of the Fairs in future to the successful competitors.

The crops in this county were, for this year, as follows: Hay, a good first crop, second comparatively nothing; wheat and oats, about half a

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usual good crop; corn, about one-third of a usual good crop; hogs, marketed and being mostly marketed, light, and not as many as usual.

All manufacturing interests have done well. The Marsh Harvester Works, at Plano, mentioned in the last year's report, manufactured 5,625 machines, and sold all of them, I believe. Their works are being further extended, with the intention of making 8,000 or more for 1875, Lewis Steward, President, Plano, Ill.

A new enterprise for Kendall county is found in the manufacturing company at Oswego, D. M. Haight, President, who make a specialty of windmills, windmill pumps and water works.

The hard times do not seem to affect the mercantile trade in this county to any very great extent, but has put a check on the further development of the great water-power interest in the Fox river, yet it is but temporary, as some visible signs of improvement is beginning to come to the light.

Work, we believe, has actually begun on the narrow gauge railway, from Chicago to Muscatine, Iowa, *via* Aurora, Kane county, Oswego and Millington, Kendall county, which has for a part of its object the development of the water-power, now mostly running to waste between the points of Aurora and Millington, there being on the route in Kane county a chance to develop at Aurora a 20 feet water-power; at Montgomery, 8 feet; at Oswego, Kendall county, 20 feet; at Bristol and Yorkville (one town, river dividing), 28 to 30 feet; and Millington, 22 feet. To all of which manufacturing capitalists cannot do better than improve, and are respectfully invited. The best point at which to locate in the developing of this great water-power, between the points named, is at Bristol, where the greatest power is attained at the least cost commensurate with its worth, the natural centre for a very extensive mercantile trade, etc.

J. M. GALE,
Secretary Kendall County Agricultural Board.

KNOX COUNTY.

OFFICERS.

President—Isaac Hunter, Abingdon.
Vice-President—Cyrus M. Hale, Douglas.
Treasurer—Cephas Arms, Knoxville.
Secretary—J. R. B. Vancleave, Knoxville.
Members Executive Board—C. N. Butt, Knoxville; L. D. Ferris, Oneida; John Bond, Hermon; Geo. Harlan, Knoxville; J. V. N. Standish, Galesburg; M. L. Overstreet, Henderson; Wm. Swigart, Maquon; J. L. Cashman, Abingdon.
Superintendent of Grounds—Wm. Arms, Knoxville.

Number of members	409
Cash value of property, including stock	$6,500 00
Time of holding fair in 1874	Oct. 6, 7, 8 and 9.
Amount offered in premiums in 1874	3,500 00
Amount paid in premiums in 1874	1,100 00

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Number of entries of cattle	34
" " horses, mules and asses	63
" " sheep	29
" " hogs	36
" " poultry	60
" " machinery	71
" " farm products, fruits, flowers, etc	51
" " textile fabrics	36
" " fine arts, musical instruments, etc	16
" " miscellaneous articles	233
Entries for races	16
Total number of entries	647

J. R. B. VANCLEAVE,
Secretary Knox County Agricultural Board.

LAKE COUNTY.

OFFICERS.

President—John Easton, Halfday.
1*st* *Vice-President*—S. Ford, Wauconda.
2*d* *Vice-President*—A. L. Hendee, Hainesville.
Secretary—J. D. Stevens, Deans' Corners.
Treasurer—Caleb Wright, Libertyville.
Directors—Nathaniel Vose, Warren; C. C. Parks, Waukegan; A. Vedder, Deerfield; H. B. Burritt, Wauconda; Edwin Wilson, Libertyville.
Chief Marshal—E. P. Messer, Libertyville.
Assistant Marshal—G. H. Fairman, Antioch.

Number of members		400
Cash value of property, including stock		$3,000 00
Time of holding Fair in 1874	Sept. 10, 11 and 12.	
Amount offered in premiums in 1874		1,116 00
Amount paid in premiums in 1874		892 00
Number of entries of cattle	51	
" " horses, mules and asses	212	
" " sheep	32	
" " hogs	15	
" " poultry	14	
" " machinery	24	
" " farm products, flowers, etc	140	
" " textile fabrics	85	
" " fine arts, musical instruments, etc	15	
" " miscellaneous articles	50	
Total number of entries	638	

J. D. STEVENS,
Secretary Lake County Agricultural Board.

LASALLE COUNTY.

OFFICERS.

President—Wm. J. Neely, Ottawa.
Vice-Presidents—Ransom Palmer, J. C. Bruner, C. H. Green, Ottawa.
Corresponding Secretary—J. O. Harris, Ottawa.
Recording Secretary—A. M. Hoffman, Ottawa.

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Treasurer—John F. MacKinlay, Ottawa.
Executive Board—P. Watts, P. Donlivy, J. H. Pirkins, Jas. E. Rathburn, W. H. Carey, A. M. Ebersol, E. C. Marks, H. Huff, Ottawa; L. R. Johns, Deer Park.

Number of members			300
Number of volumes in library		None.	
Cash value of property, including stock			$18,000 00
Time of holding Fair in 1874		Sept. 8, 9, 10 and 11.	
Amount offered in premiums in 1874			2,762 00
Amount awarded in premiums in 1874			1,329 00
Number of entries of cattle		90	
" "	horses, mules and asses	111	
" "	sheep	30	
" "	hogs	66	
" "	poultry	58	
" "	machinery	73	
" "	farm products, fruits, flowers, etc.	119	
" "	textile fabrics	59	
" "	fine arts, musical instruments, etc.	16	
" "	miscellaneous articles	38	
Total number of entries		660	

A. M. HOFFMAN,
Secretary LaSalle County Agricultural Board.

LAWRENCE COUNTY.

OFFICERS.

President—W. T. Buchanan, Lawrenceville.
Vice-President—Geo. M. Whittaker, Lawrenceville.
Treasurer—Phillip Snyder, Lawrenceville.
Secretary—J. W. McCleave, Lawrenceville.

Number of members			80
Cash value of property, including stock, about			$1,200 00
Time of holding Fair in 1874		Oct. 14, 15 and 16.	
Amount offered in premiums in 1874, about			800 00
Amount paid in premiums in 1874			500 00
Number of entries of cattle		18	
" "	horses, mules and asses	31	
" "	sheep	19	
" "	hogs	15	
" "	poultry	2	
" "	machinery	4	
" "	farm products, fruits, flowers, etc.	146	
" "	textile fabrics	54	
" "	fine arts, musical instruments, etc.	31	
" "	miscellaneous articles	40	
Total number of entries		360	

We were unfortunate this year; it rained all the time we were holding, or rather trying to hold, our Fair. We never had a better prospect of a good Fair than we had this year, and had it not rained our Fair would undoubtedly have been a success; but, as it is, we are financially a complete wreck, but I hope we will survive. We have had much to contend with, there being another fair in our county, and "a house divided against itself," etc.

Our farmers, generally speaking, are out of debt and prosperous, and are up with the times in every particular. Lawrence county had an immense wheat crop this year, and has a heavy corn crop, except in some localities where it is injured by the dry weather and chinch bug. Our

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county, adapted as it is to all kinds of grain and fruits, is a perfect paradise to wide-awake farmers, and as before remarked, the farmers of Lawrence county are thrifty, as is indicated by the tidy farms, fine residences young orchards, commodious barns, etc., seen everywhere throughout our county, and *all paid for.*

Yours truly,

J. W. McCLEAVE,
Secretary Lawrence County Agricultural Board.

LEE COUNTY.

OFFICERS.

President—Henry T. Noble, Dixon.
Vice-President—Abijah Powers, Dixon.
Treasurer—C. S. Brown, Dixon.
Secretary—Edward Sterling, Dixon.
Directors—F. A. Tenman, Dixon; J. M. Patrick, Dixon; F. K. Orvis, Dixon; Samuel Dysert, Frankin Grove; J. L. Moore, Polo.

Number of members			82
Cash value of property, including stock			$10,000 00
Time of holding Fair in 1874			Sept. 1st to 5th
Amount offered in premiums in 1874			2,250 00
Amount paid in premiums in 1874			1,685 00
Number of entries of cattle		130	
" "	horses, mules and asses	144	
" "	sheep	32	
" "	hogs	28	
" "	poultry	54	
" "	machinery	30	
" "	farm products, fruits, flowers, etc	208	
" "	textile fabrics	66	
" "	fine arts, musical instruments, etc	29	
" "	miscellaneous articles	74	
Total number of entries		795	

Our Fair for 1874 was held September 1, 2, 3 and 4. The exhibition in the Cattle Department has never been as good. Quite a lively interest has been manifested by the farmers of Lee county of late years, and more particularly during the past year, in the improvement of cattle. Many importations of the best breeds have been made from Kentucky, New York and other States, and Lee county to-day has a number of as fine herds as can be found in the Western country, and can be set down as the leading county in fine cattle in the Northwest. The show in the Draft Horse class has never been excelled outside of our State Fair, embracing the Normans and Clidesdales in large numbers. Our show in Hogs, Sheep and Poultry was very fine, and show much care upon the part of the breeders in the differemt breeds exhibited. Our Fair was not as much of a financial success as it should have been, owing to the fact that we had two days' rain. Experience has demonstrated the fact that rainy weather does not increase attendance at an outdoor Fair, and if I was to advise as to running a Fair, I would suggest consulting old Probabilities, and set the time to avoid rainy weather entirely.

EDWARD STERLING,
Secretary Lee County Agricultural Board.

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LIVINGSTON COUNTY.

OFFICERS.

President—Geo. B. Gray, Pontiac.
Vice-President—E. A. Sweet, Ocoga.
Treasurer—U. Bolgen, Pontiac.
Secretary—E. W. Johnson, Pontiac.
Directors—L. Linscott, Pontiac; Wm. Strawn, Odell; W. S. Bryden, Pontiac; Robert Smith, Pontiac; E. W. Mahoney, Fairbury; D. R. Potter, Fairbury; James Smith, Pontiac; Bery Hamister, Pontiac; W. C. Burleigh, Pontiac.

Number of members		150
Cash value of property, including stock		$5,000 00
Time of holding Fair in 1874	Sept. 22, 23, 24 and 25.	
Amount offered in premiums in 1874		2,200 00
Amount paid in premiums in 1874		1,760 00
Number of entries of cattle	100	
" " horses, mules and asses	228	
" " sheep	11	
" " hogs	78	
" " poultry	36	
" " machinery	19	
" " farm products, fruits, flowers, etc	44	
" " textile fabrics	29	
" " fine arts, musical instruments, etc	25	
" " miscellaneous articles	136	
Total number of entries	706	

J. E. MORROW,
Ex-Secretary Livingston County Agricultural Board.

LOGAN COUNTY.

OFFICERS.

President—P. R. Marquart, Atlanta.
Secretary—S. D. Fisher, Atlanta.
Treasurer—Wm. M. Dustin, Lincoln.
Directors—Benjamin Bean, Wm. P. Hunt, Atlanta; R. B. Latham, James Coddington, C. Knapp, Lincoln.

Number of members		394
Number volumes in library		50
Cash value of property, including stock		$18,000 00
Time of holding Fair in 1874	Sept. 1st to 5th and 7th to 11th.	
Amount offered in premiums in 1874		6,813 00
Amount paid in premiums in 1874		5,220 47
Number of entries of cattle	104	
" " horses, mules and asses	752	
" " sheep	116	
" " hogs	101	
" " poultry	142	
" " machinery	79	
" " farm products, fruits, flowers, etc	438	
" " textile fabrics	525	
" " fine arts, musical instruments, etc	241	
" " miscellaneous articles	146	
" " bread, cakes, canned and preserved fruits	716	
Total number of entries	3,360	

S. D. FISHER,
Secretary Logan County Agricultural Board.

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ATLANTA UNION CENTRAL AGRICULTURAL SOCIETY.

OFFICERS.

President—Augustus Reise, Atlanta.
Vice-Presidents—Jacob Funk, McLean; Col. J. Merrison, Atlanta; Wm. Teel, Hallview; Benj. Bean, Atlanta.
Secretary—S. D. Fisher, Atlanta.
Treasurer—Frank Hoblit, Atlanta.
Directors—Wm. B. Russum, Waynesville; J. A. Pitts, McLean; B. R. Hieronymus, Atlanta; R. W. Folts, Atlanta; H. S. Eaton, Atlanta; J. Q. McKinnon, Atlanta; L. M. Hoblit, Atlanta.

Number of members			203
Number of volumes in library			50
Cash value of property, including stock			$6,000 00
Time of holding Fair in 1874		Sept. 1, 2, 3, 4 and 5.	
Amount offered in premiums in 1874			2,752 50
Amouna paid in premiums in 1874			2,468 90
Number of entries of cattle		65	
" "	horses, mules and asses	391	
" "	sheep	44	
" "	hogs	28	
" "	poultry	58	
" "	machinery	32	
" "	farm products, fruits, flowers, etc	326	
" "	textile fabrics	376	
" "	fine arts, musical instruments, etc	113	
" "	miscellaneous articles	102	
" "	bread, cakes, canned and preserved fruits	716	
Total number of entries		2,251	

S. D. FISHER,
Secretary Atlanta U. C. Agricultural Society

LOGAN COUNTY AGRICULTURAL AND MECHANICAL ASSOCIATION.

OFFICERS.

President—Joseph Ream, Lincoln.
Vice-President—John Thomas, Lincoln.
Secretary—A. B. Nicholson, Lincoln.
Treasurer—Wm. M. Dustin, Lincoln.
Chairman Ex. Board—H. L. Pierce, Lincoln.
Members Ex. Board—Geo. D. Boyden, Lincoln; L. L. Halton, Lincoln; M. H. Beaver, Lincoln; J. W. Wright, Broadwell.

Number of members			191
Cash value of property, including stock			$12,000 00
Time of holding Fair in 1874		Sept. 7, 8, 9, 10 and 11.	
Amount offered in premiums in 1874			4,060 51
Amount paid in premiums in 1874			2,751 51
Number of entries of cattle		39	
" "	horses, mules and asses	361	
" "	sheep	72	
" "	hogs	73	
" "	poultry	84	
" "	machinery	47	
" "	farm products, fruits, flowers, etc	112	
" "	textile fabrics	149	
" "	fine arts, musical instruments, etc	128	
" "	miscellaneous articles	44	
Total number of entries		1,109	

A. B. NICHOLSON,
Secretary Logan County Agricultural and Mechanical Ass'n.

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MACON COUNTY.

OFFICERS.

President—J. H. Pickrell, Harristown.
Vice-President—J. C. Lake, Decatur.
Treasurer—M. F. Kanan, Decatur.
Secretary—W. C. Johns, Decatur.
Directors—E. A. Jones, J. T. Braden, Frank Preist, Jr., W. W. Mason, B. F. Dodson, T. M. Taylor, M. J. Cameron.

Number of members			483
Number of volumes in library			75
Cash value of property, including stock			$23, 000 00
Time of holding Fair in 1874		Sept. 1, 2, 3 and 4.	
Amount offered in premiums in 1874			2, 121 00
Amount paid in premiums in 1874			2.121 00
Number of entries of cattle		56	
" "	horses, mules and asses	149	
" "	sheep	24	
" "	hogs	22	
" "	poultry	16	
" "	machinery (no premiums offered; fifty entries for exhibition)	50	
" "	farm products, fruits, flowers, etc	307	
" "	textile fabrics	112	
" "	fine arts, musicical instruments, etc. (no premium offered) about	20	
" "	miscellaneous articles about	25	
Total number of entries		632	

W. C. JOHNS,
Secretary Macon County Agricultural Board.

AGRICULTURAL RESOURCES OF MACON COUNTY.

This county contains 580 square miles of territory, lying immediately south of the fortieth parallel of latitude, and is, geographically, the centre county of the State. It is also the centre of the great corn and grass belt of Illinois. The surface is generally level, but sufficiently undulating for all the purposes of drainage, without extensive artificial means. The Sangamon river passes through the county from northeast to southwest, with a belt of timber from three to five miles wide. Several small streams, from the northern and southern border of the county, empty into the Sangamon, making, altogether, a better supply and better distribution of water and timber than any other of the prairie counties of the State. A description of the soil, however elaborate, would convey but a limited idea of its productive capacity, without mentioning somewhat in detail the quantities of the crops produced. To say that it is a rich, black loam, containing sand and lime, with a sub-strata of rich, yellow, porous clay, is but repeating what is said of most alluvial soils. The crops successfully grown, with the average yield per acre, will enable those unacquainted with the locality to properly estimate its agricultural resources.

Corn is the grand staple of the prairie lands of the West, and, in this county, is one of the peculiar successes of the farmer. An average of fifty bushels to the acre is the rule for all well cultivated fields. Equal in importance to the corn crop is the grass crop. Two important varieties are indigenous to the soil, viz: blue grass and white clover. The other varieties, red clover, timothy, red top, must be sown, but all yield abundantly, and are an important element of the wealth of the county.

Wheat is one of the staples of this county. The climate is such that both the fall and spring varieties may be successfully raised, and results

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entirely satisfactory to the husbandman are annually realized from this crop. What is said of wheat may be truly said of rye, barley, oats and buckwheat. In addition to the consumption of these grains, they make an important part of the export trade of this county. Hemp and flax are as natural to the soil as corn and grass, and yield the farmer a fair return for the labor bestowed.

This county is not surpassed by any in the State as a fruit growing region. Apples are produced in great abundance and perfection, with an occasional crop of peaches. The small fruits, grapes, cherries, strawberries, gooseberries, blackberries, raspberries and currants, are hardy, and yield as much per acre as any other county in the State. Potatoes, turnips, cabbage, sweet potatoes and melons are grown in great perfection in all parts of the county. The following may be stated as the average yield per acre of the crops that are annually produced in the native soil without the use of manures:

	Bushel per acre.
Corn	50
Wheat	20
Rye	25
Oats	50
Barley	40
Buckwheat	50
Flaxseed	10
Potatoes	150
Turnip	250
Onions	100
Hay	One and a half tons.

The artificial manures of commerce have not been used. Where barnyard manure has been tried double the above crops have been realized. Fertilizing the soil will be left to future generations, as many fields in this county have been cultivated for forty years without materially diminishing its productive capacity. The combination of level surface, soil, climate, timber, water, variety of products, ease of culture, abundant yield of crops and general adaptation to the wants of man, makes the county a rich and desirable inheritance for an industrious and enterprising people.

MACOUPIN COUNTY.

OFFICERS.

President—H. J. Loomis, Chesterfield.
Vice-President—J. W. Hankins, Carlinville.
Secretary—J. S. Otwell, Carlinville.
Treasurer—Robert Bacon, Carlinville.
Directors—Wm. Chiles, Buford; Samuel Smalley, Woodburn; A. C. Davidson, Woodburn; Chas. Wolley, Girard; J. W. McVey, Nilwood; R. M. Bell, Brighton; E. B. Eldred, Carlinville; Elihu Williams, Clyde; Richard Metcalf, Barr's Store.

Number of volumes in library	25
Cash value of property, including stock	$7,000 00
Time of holding Fair in 1874	Sept. 22, 23, 24 and 25.
Amount offered in premiums in 1874	3,000 00
Amount paid in premiums in 1874	2,650 00

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Number of entries of	cattle		58
"	"	horses, mules and asses	276
"	"	sheep	43
"	"	hogs	80
"	"	poultry	27
"	"	machinery	62
"	"	farm products, fruits, flowers, etc	264
"	"	textile fabrics	156
"	"	fine arts, musical instruments, etc	115
"	"	miscellaneous articles	554
Total number of entries			1530

There was offered in premiums at our last Fair something over $3,000, and nearly $2,700 paid. Our Fair paid our premiums, all other expenses, and something more. Friday, the last day, was very rainy and disagreeable, so much so that there is no doubt but what our receipts were $1,000 less than they would have been had the weather been fair.

The officers elect for the ensuing year are: President, William. M. Chiles, Carlinville; Vice-President, J. T. Sargent, Carlinville; Secretary, W. W. Truman, Carlinville; Treasurer, George Arnett, Bird.

There have been no essays read before the Board during the past year but what were retained by readers.

J. S. ATWELL,

Secretary Macoupin County Agricultural Board.

MADISON COUNTY.

OFFICERS.

President—J. A. Barnsback, Troy.
Vice-President—A. F. Rodgers, Upper Alton.
Secretary—E. L. Friday, Edwardsville.
Treasurer—J. A. Prickett, Edwardsville.

Time of holding Fair in 1874			Sept. 29 to Oct. 3.
Amount offered in premiums in 1874, about			$4, 000 00
Amount paid in premiums in 1874			2, 000 00
Number of entries of	cattle		87
"	"	horses, mules and asses	216
"	"	sheep	32
"	"	hogs	62
"	"	poultry	14
"	"	machinery	72
"	"	farm products, fruits, flowers, etc	336
"	"	textile fabrics	167
"	"	fine arts, musical instruments, etc	27
"	"	miscellaneous articles	135
Total number of entries			1148

E. L. FRIDAY,

Secretary Madison County Agricultural Board.

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MARION COUNTY.

OFFICERS.

President—John B. Johnson, Alma.
Vice-Presidents—J. R. Dunlap, Kinmundy; O. W. Baker, Salem; M. V. Allmon, Salem; Jas. Johnson, Centralia.
Secretary—Henry C. Feltman, Salem.
Treasurer—O. J. Rogers, Salem.
Managers—Wm. McClelland, Sandoval; E. S. Dickens, Salem; Robt. Allen, Salem; A. C. Rogers, Salem; Parker Walker, Patoka.
General Superintendent—David B. Magness, Salem.

Number of members		60
Number of volumes in library		None.
Cash value of property, including stock		$2,500 00
Time of holding Fair in 1874	Sept. 15, 16 17 and 18.	
Amount offered in premiums in 1874		2,000 00
Amount paid in premiums in 1874		611 57
Number of entries of cattle	27	
" " horses, mules and asses	173	
" " sheep	4	
" " hogs	47	
" " poultry	29	
" " machinery	15	
" " farm products, fruits, flowers, etc	288	
" " textil fabrics	104	
" " fine arts, musical instruments, etc	3	
" " miscellaneous articles	27	
Total number of entries	717	

Marion county is twenty-four miles square. Three-fourths of the land in the county is tillable and very productive. We raise principally wheat, corn, oats hay and castor beans. There are very many fine orchards throughout the county, which afford us plenty of fruit for home consumption, and a reasonable amount for exportation. Salem, where our Fair is located, is the county seat, and is situated within one mile of the centre of the county, on the O. & M. Railroad, and is very beautifully located, with a population of about 3,000 inhabitants. We have eight churches of various denominations, and also a very fine and superb school house. It is our intention to have a better Fair in 1875 than we have ever had in this county.

HENRY C. FELTMAN,
Secretary Marion County Agricultural Board.

MARSHALL COUNTY.

WENONA UNION FAIR ASSOCIATION.

OFFICERS.

President—L. M. Sawyer, Streator.
Vice-President—S. S. Burgess, Tonica.
Recording Secretary—Dr. C. Perry, Wenona.
Corresponding Secretary—Cadet Taylor, Wenona.
Treasurer—E. S. Fowler, Wenona.
Directors—There are ten Directors.

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Number of members		270
Fifty acres Fair grounds and improvements thereon cost		$13,000 00
Time of holding Fair in 1874	Sept. 28 to Oct. 2.	
Amount offered in premiums in 1874		6,000 00
Amount paid in premiums in 1874		3,500 00
Number of entries of cattle	140	
" " horses, mules and asses	273	
" " sheep	58	
" " hogs	216	
" " poultry	113	
" " machinery	102	
" " farm products, fruits, flowers, etc	377	
" " textile fabrics	161	
" " fine arts, musical instruments, etc	47	
" " miscellaneous articles	638	
Total number of entries	2124	

C. PERRY,
Secretary Wenona Union Fair Association.

MASON COUNTY.

OFFICERS.

President—Francis Low, Havana.
Vice-President—Jno. W. Lyke, Havana.
Secretary—Jno. W. Jones, Havana.
Treasurer—Thos. Covington, Havana.
General Superintendent—Orlando H. Shearer, Havana.
Directors—F. Low, I. N. Mitchell, Jno. H. Taylor, B. F. Howell, John Walker, Peter Ringhouse, Havana; Jno. W. Lyke, Chicago.
Finance Committee—J. F. Coppel, J. F. Kelsey, G. A. Blanchard, Havana.

Number of members		54
Cash value of property, including stock		$5,000 00
Time of holding Fair in 1874	Sept. 29 to Oct. 2	
Amount offered in premiums in 1874		2,507 50
Amount paid in premiums in 1874		1,809 25
Number of entries of cattle	19	
" " horses, mules and asses	200	
" " sheep	11	
" " hogs	68	
" " poultry	52	
" " machinery	51	
" " farm products, fruits, flowers, etc	481	
" " textile fabrics	102	
" " fine arts, musical instruments, etc	37	
" " miscellaneous articles	88	
Total number of entries	1,109	

JNO. W. JONES,
Secretary Mason County Agricultural Board.

MASSAC COUNTY.

OFFICERS.

President—J. C. Willis, Metropolis.
Vice-President—W. P. Bruner, Metropolis.
Treasurer—A. D. Davis, Metropolis.
Secretary—L. P. Stalcup, Metropolis.
Directors—H. Quante, Owen Bruner, Fred Meyer, J. E. Gowen, Metropolis.

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Number of members		24
Number of volumes in library		50
Cash value of property, including stock		$5,000 00
Time of holding Fair in 1874	Oct. 21, 22 and 23	
Amount offered in premiums in 1874		750 00
Amount paid in premiums in 1874		510 00
Number of entries of cattle	18	
" " horses, mules and asses	87	
" " sheep	8	
" " hogs	6	
" " poultry	6	
" " machinery	6	
" " farm products, fruits, flowers, etc	37	
" " textile fabrics	13	
" " miscellaneous articles	25	
Total number of entries	221	

L. P. STATCUP,
Secretary Massac County Agricultural Board.

McHENRY COUNTY.

OFFICERS.

President—James Crow, Crystal Lake.
Treasurer—John J. Murphy, Woodstock.
Secretary—Asa W. Smith, Woodstock.
Superintendent—Mark Hickox, Woodstock.
Marshal—A. W. Anderson, Woodstock.

Number of members	100 life members. I have no list of annual members.	
Number of volumes in library		None.
Cash value of property, including stock, about		$3,000 00
Time of holding Fair in 1874	Sept. 22 to 25, inc.	
Amount offered in premiums in 1874		1,650 00
Amount paid in premiums in 1874		1,600 00
Number of entries of cattle	62	
" " horses, mules and asses	207	
" " sheep	81	
" " hogs	81	
" " poultry	71	
" " machinery	70	
" " farm products, fruits, flowers, etc	240	
" " textile fabrics	91	
" " fine arts, musical instruments, etc	50	
" " miscellaneous articles	100	
Total number of entries	1,053	

ASA W. SMITH,
Secretary McHenry County Agricultural Board.

McLEAN COUNTY.

OFFICERS.

President—W. L. Bosworth, Bloomington.
Vice-Presidents—J. A. Ewins, Danvers; G. A. Ross, Heyworth.
Treasurer—Dan. Holden, Bloomington.
Secretary—J. T. Didlake, Towanda.
Advisory Committee—E. Horr, Bloomington; W. M. Smith, Lexington; Dan. Holden, Bloomington; D. M. Funk, Bloomington; Geo. P. Davis, Bloomington; F. M. Jones, Towanda; W. H. Oglevee, Heyworth.

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Number of members			193
Cash value of property, including stock			$15,000 00
Time of holding Fair in 1874		Sept. 8, 9, 10 and 11	
Amount offered in premiums in 1874			4,000 00
Amount paid in premiums in 1874			3,619 00
Number of entries of cattle		146	
" "	horses, mules and asses	396	
" "	sheep	104	
" "	hogs	103	
" "	poultry	95	
" "	machinery	98	
" "	farm products, fruits, flowers, etc	721	
" "	textile fabrics	341	
" "	fine arts, musical instruments, etc	67	
" "	miscellaneous articles	36	
Total number of entries		2,107	

J. T. DIDLAKE,
Secretary McLean County Agricultural Board.

MENARD COUNTY.

OFFICERS.

President—Col. Jas. W. Judy, Tallula.
Vice-President—E. L. Swiney, Greenview.
Treasurer—John Tice, Petersburg.
Secretary—J. G. Strodtmann, Petersburg.
Directors—H. W. Montgomery, T. M. Stith, Daniel Rule, George Hudspeth, M. G. Combs, Petersburg; A. M. Houghton, Pleasant Plains, Sangamon Co.; J. G. Greene, Tallula; John Nybro, Athens; John Engle, Sweetwater; S. M. Blane, H. H. Marbold, Wm. G. Denton, Greenview.
General Superintendent—James Miles, Petersburg.
Marshal—Fred. Wilkinson, Petersburg.

Number of members			148
Cash value of property			$5,000 00
Time of holding Fair in 1874		Sept. 8, 9, 10 and 11	
Amount offered in premiums			1,980 00
Amount paid in premiums			1,343 50
Number of entries of cattle		50	
" "	horses, mules and asses	144	
" "	sheep	35	
" "	hogs	74	
" "	poultry	8	
" "	machinery	13	
" "	farm products, fruits, flowers, etc	41	
" "	textile fabrics	29	
" "	fine arts, musical instruments, etc	102	
" "	miscellaneous articles	261	
Total number of entries		757	

J. G. STRODTMANN,
Secretary Menard County Agricultural Board.

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MERCER COUNTY.

OFFICERS.

President—D. H. Hays, Aledo.
Vice-President—Paul Sheriff, Keithsburg.
Secretary—E. B. David, Aledo.
Treasurer—Robert Candor, Sunbeam.
General Superintendent—W. K. Fulton, Aledo.
Marshal—T. F. McClintock, Aledo.
Executive Committee—J. J. Huston, R. H. Day, C. V. Shove, D. B. Patterson, Martin Boyd, D. W. Sedgwick.

Number of members		1,000
Number of volumes in library		None.
Cash value of property, including stock		$4,500 00
Time of holding Fair in 1874	September 29, 30, October 1 and 2	
Amount offered in premiums in 1874		2,100 00
Amount paid in premiums in 1874		1,580 00
Number of entries of cattle	34	
" " horses, mules and asses	196	
" " sheep	26	
" " hogs	138	
" " poultry	36	
" " machinery	79	
" " farm products, fruits, flowers, etc.	870	
" " textile fabrics	148	
" " fine arts, musical instruments, etc.	78	
" " miscellaneous articles	40	
Total number of entries	1,645	

We have a good county for stock raising and agricultural purposes. There are a number of herds of Short Horns, as well as some fine Norman Horses; and of Swine, we have as good as can be found in the State. Our Fair this year was a success; we have paid $800 on the indebtedness of the Society. Our Fair has done much to improve the quality of stock in our county. Below will be found statistics, prepared from reports, which are accurate:

Mercer county now contains 6,851 head of Sheep, 10,984 head of Horses, 30,718 head of Cattle, and 65,988 head of Hogs.

Our agricultural products are: bushels of Wheat, 298,440; Oats, 984,900; Corn, 4,028,360, and 59,417,500 pounds of Hay.

E. B. DAVID,
Secretary Mercer County Agricultural Board.

MONROE COUNTY.

OFFICERS.

President—James C. Edwards, Waterloo.
Vice-Presidents—Charles Frick, Waterloo; Christ Fultz, Mitchie; H. W. Jobusch, Columbia; Jos. V. Lacey, Moredock; John Anderson, Harrisonville; Lorenz Mergele, Burksville; Dr. C. Squires, Harrisonville; Peter Mueller, Waterloo; George Frick, Hecker.
Treasurer—J. F. Gotshall, Waterloo.
Secretary—George L. Riess, Waterloo.
Superintendent—George L. Dith, Waterloo.
Register—D. M. Hardy, Waterloo.

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Number of members			250
Number of volumes in library			None.
Cash value of property, including stock			$3,000 00
Time of holding Fair in 1874		October 13, 14, 15 and 16	
Amount offered in premiums in 1874			3,000 00
Amount paid in premiums in 1874			2,250 00
Number of entries of cattle		19	
" "	horses, mules and asses	258	
" "	sheep	10	
" "	hogs	16	
" "	poultry	23	
" "	machinery	78	
" "	farm products, fruits, flowers, etc	174	
" "	textile fabrics	205	
" "	fine arts, musical instruments, etc	4	
" "	miscellaneous articles	104	
Total number of entries		691	

GEORGE L. RIESS,
Secretary Monroe County Agricultural Board.

MONTGOMERY COUNTY.

OFFICERS.

President—Robert Morrell, Hillsboro.
Vice-Presidents—Louis H. Thomas, Virden; Andrew Blass, Litchfield.
Secretary and Treasurer—C. M. Wooll, Hillsboro.
Directors—E. M. Brown, William H. Brewer, Edward Miller, Hillsboro; Moses Berrie, Butler; Samuel H. Smith, East Fork.

Cash value of property, including stock			$4,000 00
Time of holding Fair in 1874		September 15, 16, 17 and 18	
Amount offered in premiums in 1874			2,000 00
Amount paid in premiums in 1874			1,155 00
Number of entries of cattle		37	
" "	horses, mules and asses	111	
" "	sheep	28	
" "	hogs	35	
" "	poultry	25	
" "	machinery	50	
" "	farm products, fruits, flowers, etc	124	
" "	textile fabrics	145	
" "	fine arts, musical instruments, etc	45	
" "	miscellaneous articles	270	
Total number of entries		870	

C. M. WOOLL,
Secretary Montgomery County Agricultural Board.

MORGAN COUNTY.

OFFICERS.

President—C. D. Fitzsimmons, Jacksonville.
Vice-Presidents—Stephen Dunlap, W. C. Carter, Jacksonville.
Secretary—J. M. Dunlap, Jacksonville.
Treasurer—B. F. Beesley, Jacksonville.
Directors—C. S. Goltra, Gates Strawn, J. Tabor Mathers, H. C. Wisnall, John Leach, F. M. Morton, Jacksonville; J. C. Duer, Pisgah; Col. Peter Roberts, Franklin.

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Number of entries		114
Number of volumes in library		None.
Cash value of property, including stock		$20,000 00
Time of holding Fair in 1874	September 8, 9, 10 and 11	
Amount offered in premiums in 1874		4,257 00
Amount paid in premiums in 1874		3,986 50
Number of entries of cattle	90	
" " horses, mules and asses	214	
" " sheep	39	
" " hogs	165	
" " poultry	69	
" " machinery	65	
" " farm products, fruit, flowers, etc	793	
" " textile fabrics	197	
" " fine arts, musical instruments, etc	125	
" " miscellaneous articles	300	
Total number of entries	2,057	

The Association held its Fair on September 8, 9, 10 and 11. The number of entries were 2,057, and the premiums paid amounted to something near $4,000.

The next annual Fair will be held during the week preceding the next State Fair, whenever that may occur. The last Fair was eminently successful, and there is every prospect that they will continue increasingly so in the future. The population of the county exceeds 30,000, and the value of its property, real and personal, approximates $50,000,000. In fertility of soil, natural beauty of scenery, high cultivation, and all the conditions which make a region attractive to the business-man, the farmer, the stock dealer, the laborer, or the man of leisure, Morgan county is unsurpassed. In the five counties, including and laying immediately around Morgan county, more cattle are handled and fatted for market than in any other entire State in the Union; and this fact is fast making Jacksonville, which is the business center of the region named, one of the most important cattle markets in the West—one which is fast drawing the attention of stock raisers, shippers, capitalists, railroad men, and in short, everybody interested in the live stock business. And the city itself, appreciating, apparently, the probable future opened to it, is fast putting on the garb of a city. Gas was introduced several years ago, and now, within a short time, horse railways have been laid on three of the chief streets—one leading directly to our Fair Grounds. An admirably successful and economical system of water works has been carried to completion, and the subject of paving the streets with the Nicholson pavement is being seriously agitated. In short, no more fitting place in all respects could be found for holding what is emphatically the "Central Illinois Fair."

J. M. DUNLAP,

Secretary Morgan County Agricultural Board.

MOULTRIE COUNTY.

OFFICERS.

President—J. E. Eden, Sullivan.
Vice-President—Elihu Weltan, Sullivan.
Secretary—G. W. Vaughan, Sullivan.
Treasurer—P. B. Gillham, Sullivan.
Directors—J. H. Snider, James M. Powell, Sullivan; J. W. Dawson, Lovington; Jo Taylor, Whitley's Point; T. H. Crowder, Marrowbone.

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Number of members			50
Cash value of property, including stock		None—rent grounds.	
Time of holding Fair in 1874		September 29 to October 2.	
Amount offered in premiums in 1874			$1,685 00
Amount paid in premiums in 1874			1,351 50
Number of entries of cattle			69
"	"	horses, mules and asses	150
"	"	sheep	13
"	"	hogs	39
"	"	poultry	6
"	"	machinery	14
"	"	farm products, fruits, flowers, etc.	40
"	"	textile fabrics	33
"	"	fine arts, musical instruments, etc.	12
"	"	miscellaneous articles	12
"	"	kitchen and dairy	48
Total number of entries			436

You will see from the above report of our Fair that we paid a larger amount in premiums than ever before. Our Fair this year was a grand success. The people of the county seem to be waking up to their true interest, and promise better results by another year. Moultrie county is unsurpassed by any county in the State for fertility and soil, and if the farming community will arrive at a more thorough system of agriculture, as they now seem to be doing, Moultrie county will be behind none of her sister counties in the State according to the size of the same. Land is still cheap in the county, and facilities for transportation from the county are unsurpassed by any other in the State. No farm is over seven miles from a shipping point. Sullivan is one of the best grain markets in Central Illinois.

The organization of the farmers has much to do with the advancement of agriculture in the county and State. All branches of industry seem to be prospering more than ever before, and we have the prospect of vast improvement in the county for the next few years.

I think it would be to the interest of agriculturists and mechanics to visit our county before going west, among the pests of that region.

G. W. VAUGHAN,
Secretary Moultrie County Agricultural Board.

OGLE COUNTY.

OFFICERS.

President—J. Leavitt Moore, Polo.
Vice-President—Simon Sheaff, White Rock.
Secretary—D. G. Shottenkirk, Ashton, Lee county.
Treasurer—Wm. J. Mix, Oregon.
Executive Committee—John H. White, Hale; John W. Mack, Henry A. Mix, Oregon; Charles W. Sammers, Polo; Wm. H. King, Rochelle.

Number of members			110
Cash value of property, including stock			$2,500 00
Time of holding Fair in 1874		September 8, 9, 10 and 11.	
Amount offered in premiums in 1874			1,500 00
Amount paid in premiums in 1874			1,050 00
Number of entries of cattle			26
"	"	horses, mules and asses	206
"	"	sheep	24
"	"	hogs	25
"	"	poultry	21
"	"	machinery	58
"	"	farm products, fruits, flowers, etc.	144
"	"	textile fabrics	76
"	"	fine arts, musical instruments, etc.	26
"	"	miscellaneous articles	39
Total number of entries			645

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At the annual election of officers of the Ogle County Agricultural Board, January 5, 1875, the following officers were elected: Simon Sheaff, President, White Rock, Ogle county; Millican Hunt, Vice-President, Ashton, Lee county; T. J. Fearer and John W. Hitt, members of the Executive Committee for two years; Secretary and Treasurer not yet appointed.

I am a little at a loss how to properly fill out the blank—cash value of property including stock. Our grounds are worth $2,500; our liabilities are about $800; our capital stock is limited to $10,000, about $1,400 of which has been paid in; 20 per cent. of stock paid on subscription and the balance paid by assessments. There has been one assessment of 20 per cent. ordered, but partially paid in as yet; about 800 shares subscribed. I do not understand whether you wish the total net value of the property of the Society or not.

Yours, etc.,

D. G. SHOTTENKIRK,
Secretary Ogle County Agricultural Board.

PERRY COUNTY.

OFFICERS.

President—John H. McKelvey, Swanwick.

Vice-Presidents—H. L. Burbank, DuQuoin; J. B. Curlee, Tamaroa; Alex. Baird, Pinckneyville; J. J. Swanwick, George Robb, Swanwick; Geo. Valentin, Pinckneyville; T. P. Harrison, Tamaroa; Isador Boul, Pinckneyville.

Secretary—Chas. H. Roe, Pinckneyville.

Corresponding Secretary—B. G. Roots, Tamaroa.

Treasurer—R. G. Williams, Pinckneyville.

Marshal—Matt. Rule, Pinckneyville.

Cash value of property, including stock		$1,000 00
Time of holding Fair in 1874	October 14, 15, 16.	
Amount offered in premiums in 1874		915 95
Amount paid in premiums in 1874		454 25
Number of entries of cattle	17	
" " horses, mules and asses	63	
" " hogs	11	
" " poultry	11	
" " machinery	14	
" " farm products, fruits, flowers, etc	61	
" " textile fabrics	30	
" " miscellaneous articles, kitchen and dairy	17	
Total number of entries	234	

Fair held three days; cloudy and rainy, more or less, each day. Receipts sufficient to pay premiums, expenses, and for a surplus, which was applied to partial payment of improvements made this year in enlargement of grounds, etc. The exhibition of stock, horses and cows was of much better quality than usual; but otherwise entries about the same as in former Fairs. Opinion is gaining ground among the people that too many Fairs are claiming their attention in this portion of the country—two in this county and two in adjoining county of Randolph. Gambling institutions claim attention; laws prohibiting their admission on Fair grounds would be acceptable and of good effect.

Respectfully,

CHAS. H. ROE,
Secretary Perry County Agricultural Board.

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DISTICT FAIR ASSOCIATION OF DU QUOIN.

OFFICERS.

President—A. C. Brookings, DuQuoin.
Vice-President—J. H. McElvain, DuQuoin.
Secretary—Wm. H. Holmes, DuQuoin.
Treasurer—E. N. Smith, DuQuoin.
Directors—Wiley Lipe, Wm. Jackson, J. R. Elstein, G. W. Kelly, Jas. Winters, DuQuoin.

Number of members		168
Cash value of property, including stock		$13,500 00
Time of holding Fair in 1874	October 19 to 23.	
Amount offered in premiums in 1874		3,460 00
Amount paid in premiums in 1874		1,550 00
Number of entries of cattle	58	
" " horses, mules and asses	191	
" " sheep	14	
" " hogs	32	
" " poultry	13	
" " machinery	56	
" " farm products, fruits, flowers, etc	208	
" " textile fabrics	107	
" " fine arts, musical instruments, etc	23	
" " miscellaneous articles	47	
Total number of entries	659	

W. H. HOLMES,
Secretary District Fair Association of DuQuoin.

PIATT COUNTY.

OFFICERS.

President—Jesse W. Warner, Monticello.
Vice-President—John H. Murphy, Bement.
Corresponding Secretary—Chester P. Davis, Monticello.
Recording Secretary—A. T. Pipher, Monticello.
Treasurer—W. E. Lodge, Monticello.
Directors—Jesse Yoakem, Bement; L. E. Hancock, Mackville; Wm. Voorhies, Cerro Gordo; Chas. Watts, A. J. Piatt, John F. Williams, Monticello; Jacob VanMeter, Samuel Ramey, Mansfield.

Number of members—stockholders who have paid up		379
Number of volumes in library	None.	
Cash value of property, including stock		$6,000 00
Time of holding Fair in 1874	Commencing Sept. 15, holding to Sept. 18, inclusive.	
Amount offered in premiums in 1874		600 00
Amount paid in premiums in 1874		375 00
Number of entries of cattle (all kinds)	18	
" " horses, mules and asses	40	
" " sheep	5	
" " hogs	28	
" " poultry	1	
" " machinery and farm implements	10	
" " farm products, fruits, flowers, etc	114	
" " textile fabrics household work, etc	29	
" " fine arts, musical instruments, etc	25	
" " miscellaneous articles	79	
Total number of entries	349	

A. T. PIPHER,
Secretary Piatt County Agricultural Board.

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PIKE COUNTY.

OFFICERS.

President—E. N. French, Milton.
Vice-Presidents—B. F. Dorsey, J. W. Rush, Perry.
Treasurer—S. Grigsby, Pittsfield.
Recording Secretary—W. H. Johnston, Pittsfield.
Corresponding Secretary—John Boothby, Pittsfield.
Directors—George Stebbins, Summer Hill; E. Whittleton, Barry; B. F. Flynn, Detroit; Thomas H. Dimmitt, Griggsville; Lewis Ham, Chambersburg.

Number of members, not known; every man who buys a $1 ticket is a member for that year.			
Number of volumes in library		None.	
Cash value of property, including stock			$10,000 00
Time of holding Fair in 1874		September 8, 9, 10, 11.	
Amount offered in premiums in 1874			2,000 00
Amount paid in premiums in 1874			1,700 00
Number of entries of cattle		45	
" "	horses, mules and asses	102	
" "	sheep	34	
" "	hogs	39	
" "	poultry	6	
" "	machinery	27	
" "	farm products, fruits, flowers, etc.	84	
" "	textile fabrics	15	
" "	miscellaneous articles	156	
Total number of entries		508	

JOHN BOOTHBY,
Corresponding Secretary Pike County Agricultural Board.

POPE COUNTY.

OFFICERS.

President—Gordon Thompson, Golconda.
Recording Secretary—H. D. Baker, Golconda.
Corresponding Secretary—I. E. Y. Hanna, Golconda.
Treasurer—Mason G. Bird, Golconda.

Number of members			236
Cash value of property, including stock (no stockholders)			$2,000 00
Time of holding Fair in 1874		October 7-10 inclusive.	
Amount offered in premiums in 1874			606 75
Amount paid in premiums in 1874			531 75
Number of entries of cattle		15	
" "	horses, mules and asses	108	
" "	sheep	12	
" "	hogs	2	
" "	poultry	5	
" "	machinery	13	
" "	farm products, fruits, flowers, etc.	77	
" "	textile fabrics	24	
" "	fine arts, musical instruments, etc.	1	
" "	miscellaneous articles	60	
Total number of entries		317	

I. E. Y. HANNA,
Corresponding Secretary Pope County Agricultural Board.

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PUTNAM COUNTY.

BUEL INSTITUTE.

OFFICERS.

President—John Swaney, Whittaker.

Vice Presidents—Wm. Allen, Hennepin; R. A. Moore, Granville; J. L. Mills, Mt. Palatine.

Treasurer—Geo. C. Read, Hennepin.

Secretary—P. B. Durley, Hennepin.

Cash value of property, including stock		$4,000
Time of holding Fair in 1874	September 22-24.	
Amount offered in premiums in 1874		1,500
Amount paid in premiums in 1874		850
Number of entries of cattle	21	
" " horses, mules and asses	65	
" " sheep	29	
" " hogs	44	
" " poultry	12	
" " machinery	21	
" " farm products, fruits, flowers, etc	115	
" " textile fabrics	74	
" " fine arts, musical instruments, etc	21	
" " miscellaneous articles	93	
" " kitchen and dairy	221	
Total number of entries	707	

Putnam county was organized in 1831, and originally comprised the counties of Bureau, Marshall and part of Stark; but now it is one of the smallest counties in the State, but rich in agricultural products. The Illinois river runs through the county, and the bottom lands are being brought into cultivation. Lands, over which it was difficult to ride a horse forty years ago, at any season of the year, on account of it being so marshy, are now very valuable to cultivate for corn or pasture. The county is thickly settled, and the farms are well improved. A large portion of the lands are enclosed either for cultivation or pasture. About twenty-five per cent. of the land is timber. The principal products of the farm are corn, wheat, oats, rye, barley, potatoes, buckwheat, and timothy and clover for hay. Horses, cattle and hogs are raised for market. The principal market fruit is apples, of which there are many splendid orchards in the country, in which all the best varieties are cultivated. Pears and peaches are cultivated to a limited extent for home use; cherries and other small fruits are also raised for the same purpose.

P. B. DURLEY,
Secretary Buel Institute and Putnam County Agricultural Board.

RANDOLPH COUNTY.

OFFICERS.

President—John C. Boyle, Sparta.

Vice-Presidents—Sam'l W. McKelvey, S. L. Boyd, Alfred Jordon, Chas. Robbins, A. H. Glenn, Dan'l Gerlach, Edw'd Fahrity, Jacob Rabbe, Andrew Douglass, John Wilson.

Secretary—Milton E. Foster, Sparta.

Treasurer—Bryce Crawford, Sparta.

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Executive Board—Wm. Swanwick, Chester; D. R. McMaster, Sparta; M. E. Miller, Steels Mills; Dan. McIntyre, John Anderson, Tilden.

Number of members		140
Cash value of property, including stock		$5,000 00
Time of holding Fair in 1874	September 30, and October 1 and 2	
Amount offered in premiums in 1874		1,520 75
Amount paid in premiums in 1874		1,175 50
Number of entries of cattle	20	
" " horses, mules and asses	93	
" " sheep	20	
" " hogs	31	
" " poultry	97	
" " machinery	103	
" " farm products, fruits, flowers, etc	377	
" " textile fabrics	197	
" " fine arts, musical instruments, etc	79	
" " miscellaneous articles	200	
" " one buffalo, one bear and two deer	4	
Total number of entries	1,221	

In Randolph county land is comparatively cheap, as yet, and the farmer can find good land, at a moderate price, which will produce abundant crops of winter wheat, corn, rye, oats, barley and sorghum, and good crops of castor beans—tobacco and cotton, when the seasons are favorable, which is generally the case. The two latter are not cultivated very much now. All the various kinds of grasses used for pasturage and making hay can be grown and successfully produced with very little labor. The soil is generally rich and productive, and there is very little land in the whole county that cannot be profitably cultivated. The climate is rather mild, and all the various kinds of large and small fruits grow well and generally yield good crops. The forest trees are principally oak, hickory, walnut, poplar and ash. There is more timber land than prairie. All the prairie land is settled and under cultivation.

Three railroads cross the county in opposite directions, which, with the Mississippi river on its west side, afford convenient and good outlets to market. There are now thirteen large flouring mills in the county, some of them among the largest and best in the State, and located at points so convenient as to afford an easily reached market for all the wheat produced in it. The manufacture of woolen goods, agricultural implements, wagons and carriages is extensively carried on at several places.

The third stage of improvement may be said to be in active progress, and competent and skilled mechanics and artisans in all the various branches of trade can find profitable employment at good wages.

An area in the northeast part and embracing nearly one-half the territory of the county, is underlaid with coal, from five to six feet thick, which crop sout at various places, is easily mined, and is of excellent quality. Capital can find good investments and ample and profitable employment in the development of the coal fields, which is crossed by three railroads running through the county, and in various branches of manufacturing, for which the coal, and other resources, afford ample facilities and opportunities.

Taking into consideration the climate, soil, natural resources, and actual and possible agricultural productions of Randolph county, and the opportunities and facilities now existing for improving and developing its resources, very few more favorable localities can be found in the west for successful farming, mechanical and manufacturing enterprise, and the profitable employment of capital.

MILTON E. FOSTER,
Secretary Randolph County Agricultural Board.

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ROCK ISLAND COUNTY.

OFFICERS.

President—W. L. Sweeney, Rock Island.
Vice-President—James Cook, Rural.
Treasurer—S. K. W. Field, Rock Island.
Secretary—James J. Parks, Rock Island.
Directors—David Sears, D. Richmond, Rock Island; John Buffum, Andalusia; C. Laflin, Edgington; Wm. Mill, Hillsdale; John Schall, Port Byron; Frederick Osborn, Osborn Station.

Number of members		85
Time of holding Fair in 1874	September 1, 2, 3 and 4.	
Amount offered in premiums in 1874		$4,700 00
Amount paid in premiums in 1874 (cash)		2,376 85
Number of entries of cattle	80	
" " horses, mules and asses	135	
" " sheep	40	
" " hogs	73	
" " poultry	65	
" " machinery	53	
" " farm products, fruits, flowers, etc	250	
" " pantry stores	410	
" " textile fabrics	304	
" " fine arts, musical instruments, etc	25	
" " miscellaneous articles	212	
Total number of entries	1,647	

JAMES J. PARKS,
Secretary Rock Island County Agricultural Board.

SANGAMON COUNTY.

OFFICERS.

President—Platt S. Carter, Waverly.
Vice-Presidents—Board of Supervisors.
Secretary—Wm. O. Converse, Springfield.
Treasurer—B. F. Haines, Springfield.
Directors—Geo. M. Caldwell, Williamsville; J. N. Fullenwider, Mechanicsburg; Wm. Staley, Springfield; B. W. Brown, Berlin; R. L. Pirkins, Curran.

Number of members		400
Cash value of property, including stock		$10,000
Time of holding Fair in 1874	September 21.	
Amount offered in premiums in 1874		5,000
Amount paid in premiums in 1874		4,256
Number of entries of cattle	106	
" " horses, mules and asses	418	
" " sheep	53	
" " hogs	201	
" " poultry	155	
" " machinery	106	
" " farm products, fruits, flowers, etc	679	
" " textile fabrics	423	
" " fine arts, musical instruments, etc	57	
" " miscellaneous articles	100	
Total number of entries	2,298	

W. O. CONVERSE,
Secretary Sangamon County Agricultural Board.

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SCHUYLER COUNTY.

OFFICERS.

President—Thomas J. Window, Littleton.
Vice-President—A. H. Clarke, Rushville.
Treasurer—Robert L. Greer, Rushville.
Corresponding Secretary—George G. Clarke, Rushville.
Recording Secretary—S. B. Montgomery, Rushville.
Executive Committee—Washington Hall, John Stutsman, M.W. Greer, Rushville; F. E. Cady, Camden; Charles King, Brooklyn.

Number of members		About 600
Cash value of property, including stock		$1,000 00
Time of holding Fair in 1874		September 30, October 1 and 2
Amount offered in premiums in 1874, about		2,100 00
Amount paid in premiums in 1874		1,745 00
Number of entries of cattle	52	
" " horses, mules and asses	167	
" " sheep	71	
" " hogs	79	
" " poultry	26	
" " machinery	83	
" " miscellaneous articles	1,050	
Total number of entries	1,528	

Our Fair was a success in every way this year. We had a greater number of entries than ever before, there being in the floral hall alone over 700. We have on hand a balance—after paying everything—of about $225, and our expenses were unusually large, especially in repairs.

S. B. MONTGOMERY,
Secretary Schuyler County Agricultural Board.

SHELBY COUNTY.

OFFICERS.

President—Hosea H. Funk, Shelbyville.
Vice-President—Alexander Ward, Shelbyville.
Secretary—Horace L. Martin, Shelbyville.
Treasurer—Walter C. Headen, Shelbyville.
Directors—William F. Turney, John W. Ward, Phillip Parker, Jacob Small, Shelbyville; William Middlesworth, Windsor; Thomas R. Wilson, Shelbyville; W. C. McClonahan, Cold Spring; E. Samuel French, Shelbyville.

Number of members		9
Time of holding Fair in 1874		September 1, 2, 3 and 4
Amount offered in premiums in 1874		$3,000 00
Amount paid in premiums in 1874		2,000 00
Number of entries of cattle	50	
" " horses, mules and asses	104	
" " sheep	19	
" " hogs	29	
" " poultry	10	
" " machinery	18	

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Number of entries of farm products, fruits, flowers, etc	250
" " textile fabrics	50
" " fine arts, musical instruments, etc	100
" " miscellaneous articles	150
Total number of entries	780

Our Fair was a good one. By it our people were brought together in greater numbers than ever before. The premiums offered being more liberal, the number of entries was increased, and these entries were better than ever before. Everything was conducted in a quiet and orderly manner, and all were pleased. No more enjoyable or profitable an occasion was ever celebrated in old Shelby, and her citizens are better satisfied than ever before that these annual re-unions are paying institutions. Our Board will probably buy and fit up grounds of their own during the present year.

HORACE L. MARTIN,
Secretary Shelby County Agricultural Board.

STARK COUNTY.

OFFICERS.

President—H. H. Oliver, Elmira.
Vice-President—John H. Anthony, West Jersey.
Rec. Sec.—H. M. Hall, Toulon.
Cor. Sec.—William Noulan, Lafayette.
Treasurer—Samuel Burge, Toulon.
Directors—A. J. Finley, West Jersey; J. H. Quinn, Toulon; A. S. Murchison, Elmira; Davis Louman, Toulon; Henry Colwell, Duncan; Henry Rodgers, William Holgate, Wyoming; J. W. Searls, Osceola; Samuel Burge, Toulon.

Number of members		2,000
Number of volumes in library		Not any library.
Cash value of property, including stock		$5,000 00
Time of holding Fair in 1874		September 22, 23, 24 and 25
Amount offered in premiums in 1874		2,362 25
Amount paid in premiums in 1874		1,536 00
Number of entries of cattle	55	
" " horses, mules and asses	155	
" " sheep	74	
" " hogs	98	
" " poultry	101	
" " machinery	63	
" " farm products, fruits, flowers, etc	841	
" " textile fabrics	194	
" " fine arts, musical instruments, etc	84	
" " miscellaneous articles	370	
Total number of entries	2,075	

JAMES M. THOMAS,
Secretary Stark County Agricultural Board.

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ST. CLAIR COUNTY.

OFFICERS.

President—Edward W. West, Belleville.
General Superintendent—James H. Scott, Belleville.
Treasurer—Fred. H. Pieper, Belleville.
Secretary—Sebastian Fietsam, Belleville.
Marshal of the Ring—Joseph Penn, Belleville.

Number of members		200
Cash value of property, including stock		$25,000 00
Time of holding Fair in 1874	September 8, 9, 10 and 11	
Amount paid in premiums in 1874		2,840 00
Number of entries of cattle	40	
" " horses, mules and asses	171	
" " sheep	28	
" " hogs	22	
" " poultry	43	
" " machinery	250	
" " farm products, fruits, flowers, etc	992	
" " textile fabrics	328	
" " fine arts, musical instruments, etc	58	
" " miscellaneous articles	130	
Total number of entries	2,062	

SEBASTIAN FIETSAM,
Secretary St. Clair County Agricultural Board.

STEPHENSON COUNTY.

OFFICERS.

President—L. K. Schofield, Freeport.
Secretary—S. F. Aspinwall, Freeport.

Number of members		200
Number of volumes in library		None.
Cash value of property, including stock		$10,000 00
Time of holding Fair in 1874	September 7, 8, 9 and 10	
Amount offered in premiums in 1874		1,500 00
Amount paid in premiums in 1874		1,200 00
Number of entries of cattle	40	
" " horses, mules and asses	60	
" " sheep	40	
" " hogs	30	
" " poultry	18	
" " machinery	6	
" " farm products, fruits, flowers, etc	200	
" " textile fabrics	30	
" " fine arts, musical instruments, etc	50	
" " miscellaneous articles	100	
Total number of entries	574	

S. F. ASPINWALL,
Secretary Stephenson County Agricultural Board.

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UNION COUNTY.

OFFICERS.

President—Chas. Musson, Cobden.

Vice-Presidents—Montgomery Hunsaker, Cobden; O. Richardson, Cobden; John M. Tolen, Anna.

Secretary—Alvan Cook, Jonesboro.

Tereasurer—E. A. Willard, Jonesboro.

Executive Committee—I. C. Piersol, Anna; Dr. Goodman, Jonesboro; J. L. Ury, Jonesboro; J. P. McLain, Jonesboro; Jacob Hileman, Anna.

Number of members		1,350
Cash value of property, including stock		$5,000 00
Time of holding Fair in 1874	Sept. 16, 17, 18, 19.	
Amount offered in premiums in 1874		2,500 00
Amount paid in premiums in 1874		1,500 00
Number of entries of cattle	42	
" " horses, mules and asses	153	
" " sheep	12	
" " hogs	37	
" " poultry	38	
" " machinery	73	
" " farm products, fruits, flowers, etc	268	
" " textile fabrics	211	
" " miscellaneous articles	131	
Total number of entries	919	

ALVAN COOK,

Secretary Union County Agricultural Board.

VERMILION COUNTY.

OFFICERS.

President—G. W. Tilton, Catlin.

Vice-President—W. T. Sandusky, Catlin.

Secretary—Wm. McRay, Catlin.

Treasurer—G. W. Wolf, Catlin.

Directors—William Sandusky, Indianola; Thomas Scory, Indianola; Jonathan Gaines, Indianola; John Cooper, Georgetown; Frank Rankin, Fithian; J. H. Oakwood, Catlin; Wm. Gerling, Catlin; J. R. Baldwin, Fairmount; R. Jones, Catlin.

Number of members		400
Cash value of property, including stock		$600 00
Time of holding Fair in 1874	October 15, 16, 17 and 18.	
Amount offered in premiums in 1874		2,000 00
Amount paid in premiums in 1874		2,000 00
Number of entries of cattle	200	
" " horses, mules and asses	400	
" " sheep	50	
" " hogs	100	
" " poultry	70	
" " machinery	100	
" " farm products, fruits, flowers, etc	200	
" " textile fabrics	100	
" " fine arts, musical instruments, etc	20	
" " miscellaneous articles	80	
Total number of entries	1320	

WM. MCRAY,

Secretary Vermilion County Agricultural Board.

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HOOPESTON DISTRICT AGRICULTURAL SOCIETY.

OFFICERS.

President—Cyrus Hartwell, Hoopeston.
Vice-President—John L. Hamilton, Wellington.
Secretary—G. W. Seavey, Hoopeston.
Treasurer—Thomas Williams, Hoopeston.
Directors—Potter Austin, Lovejoy; H. A. Dean, Prairie Green; Wm. Goodwine, Fountain Creek; J. L. Hamilton, Wellington; W. F. Youngblood, Grant; James Cunningham, Grant; A. M. Davis, Grant; Geo. Steeley, Grant; W. B. Crider, Hoopeston.

Number of members		300
Cash value of property, including stock		$7,000 00
Time of holding Fair in 1874	Sept. 1, 2, 3, 4.	
Amount offered in premiums in 1874, about		1,500 00
Amount paid in premiums in 1874		1,200 00
Number of entries of cattle	41	
" " horses, mules and asses	169	
" " sheep	16	
" " hogs	26	
" " poultry	21	
" " machinery	37	
" " farm products, fruits, flowers, etc	175	
" " textile fabrics	118	
" " fine arts, musical instruments	25	
" " miscellaneous articles	36	
Total number of entries	664	

This society, the third of the kind in the county, dates its existence to the fall of 1873, at which time the organization was perfected, with a membership of about two hundred and fifty stockholders, who had subscribed five thousand dollars toward the enterprise. In less than six weeks' time a beautiful tract of land, one-half mile from the depot, was purchased, fenced with a tight board fence, commodious halls, offices, stalls, etc., were erected, a half-mile track graded, and everything put in order for the first exhibition. The Fair was in every way a signal success, drawing visitors from an unusually long distance. About twelve hundred dollars had been offered in premiums, and as soon as the Fair closed the premiums awarded were paid in full. This action won for the society many friends among those who were inclined to doubt its success, and gave it a prestige which nothing else could.

Nearly the same corps of officers were elected to take charge of affairs for the next year, and with the experience of the past to guide them, the management of the Fair for 1874 was voted by all in attendance as *par excellent*. One feature, the procession at the close of the Fair of all the premium stock around the ring, was particularly attractive, and elicited much comment.

Fears had been entertained that the dryness of the season and the unfathomable depth of the dust would militate largely against the success of the exhibition; but fortunately a timely shower rendered the weather propitious, and a large amphitheatre having been erected and made free for the occasion, the attendance at the Fair was unexpectedly large, the gate receipts amounting to twelve hundred and eighty-six dollars.

The annual address was delivered by the Hon. J. G. Cannon, M. C., from this district, who urged the importance of scientific agriculture, and the relation which the government sustains to the agriculturist.

The show of stock was excellent, and a decided improvement upon the previous year, while the halls were filled to overflowing with the

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products of the farm, dairy, kitchen and needle, with a fair showing of art. Again the large premiums awarded were promptly paid, and the second exhibition recorded a grand success.

Inasmuch as this section of the country has never before been represented in the Agricultural Report, we deem it proper to say a word in regard to its history and prospects. Hoopeston is situated in the extreme north end of Vermilion county, about one mile from the Iroquois county line, on the highest point between Chicago and Danville, or on the water-shed between the Wabash and Illinois rivers, in the very heart of the Grand Prairie as it extends into Indiana. Here was a broad expanse of territory of some fifteen hundred square miles, sparsely settled, until the completion, in the year 1871, of the Chicago, Danville and Vincennes, and the Lafayette and Bloomington railroads, which crossed at right angles at this place. The prospects thus developed caused a rapid growth in the town, which in less than three years possessed a population of fifteen hundred public spirited, energetic inhabitants. The town being surrounded in every direction for fifteen miles or more with a body of the finest prairie land in the State, scarcely an acre of which is not capable of the highest cultivation, the country began to settle up rapidly; new farm houses dotted the prairie on every hand, and thousands of acres of virgin soil were annually subdued by the plow. The particular adaptability of the soil to fruit raising has induced many near town to make this branch, as well as the raising of vegetables for a foreign market, a specialty, and at no distant day this industry must add largely to our wealth and prosperity. Our farmers are raising winter wheat with considerable success, and as the country grows older the yield increases. Many also deal largely in stock, and thus derive all the advantage of feeding instead of selling grain. There are yet thousands of acres of unoccupied land only waiting the hand of the plowman to cause them to yield abundant harvests. These lands can be purchased at a very reasonable price, and for those desiring farms no point in the State offers equal inducements. To the manufacturer there is the inducement of procuring wood and coal at nominal prices, of having easy facilities for shipping and a liberal community to encourage.

One of the chief disadvantages under which we labor is the inconvenient distance at which we are situated from the county seat, it being some twenty-six miles to Danville. Vermilion county, together with Iroquois on the north, possesses sufficient territory for more than three decent sized counties, and were they so divided would be far more convenient for the inhabitants, and also much less expensive. Inasmuch as there are many other localities in the State which are equally as unfortunately situated as this, and as it would unquestionably be economy of time and money, and as a large proportion of the agricultural population are particularly interested in a change, we take the liberty of suggesting to the State Board of Agriculture the propriety of urging upon the General Assembly the importance of a re-distribution of the State into counties, making them smaller, more uniform, and vastly more convenient and less expensive to the population.

G. W. SEAVEY,

Secretary Hoopeston District Agricultural Society.

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WABASH COUNTY.

OFFICERS.

President—Jeremiah Fox, Allendale.
Vice-President—James B. Ramsey, Allendale.
Secretary—M. D. McClintock, Mt. Carmel.
Treasurer—A. C. Edgar, Mt. Carmel.
General Superintendent—Alfred McNair, Friendsville.
Marshal—M. C. Deputy, Friends Grove.
Directors—Peter Keepes, Friends Grove; Henry Parmenter, Keensburg; George Stultz, Mier; Charles Biehl, Mier; Joseph Litherland, Friendsville; Joshua J. Smith, Allendale; Eben C. Litherland, Mount Carmel.

Number of members		200
Number of shares ($5 each) 250		$1,250 00
Number of volumes in library	10	
Cash value of property, including stock		3,500 00
Time of holding Fair in 1874	Sept. 28 to Oct. 2.	
Amount offered in premiums in 1874		2,000 00
Amount paid in premiums in 1874		1,400 00
Number of entries of cattle	40	
" " horses, mules and asses	110	
" " sheep	8	
" " hogs	16	
" " poultry	12	
" " machinery	33	
" " farm products, fruits, flowers, etc	128	
" " textile fabrics	101	
" " fine arts, musical instruments, etc	21	
" " miscellaneous articles	602	
Total number of entries	1071	

Our Fair was not as well represented with stock this year as it was last; however the total number of entries are far above that of last year. Our premiums paid are nearly $200 more than last year. Financially it is an excess of any former year.

M. D. McCLINTOCK,

Secretary of the Wabash County Agricultural Board.

WARREN COUNTY.

OFFICERS.

President—John Billeginnes, Monmouth.
Vice-President—A. H. Swain, Monmouth.
Secretary—George R. Barbour, Monmouth.
Treasurer—R. M. Stephenson, Monmouth.
Executive Committee—John B. Safield, Kirkwood; Chauncy Hardin, Monmouth; J. T. Reichard, Monmouth; J. P. Firevoid, Kirkwood; L. D. Robeson, Monmouth; H. M. Lewis, Berwick; D. M. Taliaferro, Roseville; F. D. Ogden, Cameron.

Number of members		243
Cash value of property, including stock		$5,000 00
Time of holding Fair in 1874	September 22, 23 and 24.	
Amount offered in premiums in 1874		4,000 00
Amount paid in premiums in 1874		2,655 50

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Number of entries of cattle		41
" "	horses, mules and asses	211
" "	sheep	37
" "	hogs	56
" "	poultry	37
" "	machinery	51
" "	farm products, fruits, flowers, etc	1,398
" "	textile fabrics	1,041
" "	fine arts, musical instruments, etc	74
" "	miscelaneous articles	284
Total number of entries		3,230

GEO. SNYDER,
Secretary Warren County Agricultural Board.

WHITESIDE COUNTY.

OFFICERS.

President—S. T. Osmer, Sterling.
Vice-President—O. W. Gage, Prophetstown.
Secretary—J. W. Stewart, Sterling.
Treasurer—R. W. Smith, Sterling.
Ex-Board—L. E. Rice, Lyndon; W. H. Colcord, Coleta; R. Davis, Sterling; R. M. Bessie, Prophetstown; S. J. Baird, Sterling; J. C. Aldrich, Tampico; R. Sage, Erie; R. McNeil, Rock Falls; J. C. Paddock, Prophetstown.

Number of members		1,253
Cash value of property, including stock		$1,000
Time of holding Fair in 1874	August 25, 26, 27 and 28.	
Amount offered in premiums in 1874	(Estimated)	5,000
Amount paid in premiums in 1874	(Estimated)	1,800
Number of entries of cattle		81
" "	horses, mules and asses	88
" "	sheep	21
" "	hogs	36
" "	poultry	29
" "	machinery	67
" "	farm products, fruits, flowers, etc	533
" "	textile fabrics	239
" "	fine arts, musical instruments, etc	192
" "	miscellaneous articles	258
Total number of entries		1,544

J. W. STEWART (Resigned),
Secretary Whiteside County Agricultural Board.

WHITESIDE COUNTY CENTRAL AGRICULTURAL SOCIETY.

OFFICERS.

President—James M. Pratt, Pratt.
Vice-President—Oliver Baker, Morrison.
Secretary—Chas. Bent, Morrison.
Treasurer—George A. Whitcomb, Morrison.
Executive Committee—A. M. Teller, Morrison; D. F. Cole, Spring Lake; P. B. Reynolds, Prophetstown; J. F. Demmon, Morrison; D. J. Parker, Albany; J. F. Martin, Fulton; M. M. Patter, Pratt; L. Crandall, Erie; M. Lathe, Lyndon.

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Number of members	281
Cash value of property, including stock	$3,500
Time of holding Fair in 1874	Sept. 8 to 11.
Amount offered in premiums in 1874	2,000
Amount paid in premiums in 1874	1,554
Total number of entries	1,516

CHAS. BENT,
Secretary Whiteside County Central Agricultural Society.

WILLIAMSON COUNTY.

OFFICERS.

President—A. C. Neilson, Marion.
Vice-President—S. S. Vick, Marion.
Treasurer—John Goodall, Marion.
Secretary—A. N. Lodge, Marion.
Directors—Wm. E. Wiley, Marion; S. W. Dunaway, Marion; T. J. Goodall, Marion; Wm. J. Pulley, Marion; M. W. Barham, Marion.

Number of members		400
Cash value of property, including stock		$2,500
Time of holding Fair in 1874		October 6, 7, 8 and 9.
Amount offered in premiums in 1874		875
Amount paid in premiums in 1874		800
Number of entries of cattle		34
" "	horses, mules and asses	90
" "	sheep	28
" "	hogs	23
" "	poultry	9
" "	machinery	3
" "	farm products, fruits, flowers, etc	25
" "	textile fabrics	8
" "	fine arts, musical instruments, etc	5
" "	miscellaneous articles	139
Total number of entries		364

A. N. LODGE,
Secretary Williamson County Agricultural Board.

WINNEBAGO COUNTY.

OFFICERS.

President—Hon. S. M. Church, Rockford.
Vice-President—Moses Bartlett, Rockford.
Treasurer—Horace Brown, Rockford.
Secretary—Henry P. Kimball, Rockford.
Directors—E. S. Bartholomew, Harlem; Sylvester Talcott, Rockton; Lawrence McDonald, Seward; Samuel Denven, Durand; Baltus J. Heagle, New Milford; Hugh Mackey, Cherry Valley.

Number of members		226
Cash value of property, including stock		$40,000
Time of holding Fair in 1874		September 1, 2, 3 and 4.
Amount offered in premiums in 1874		3,500
Amount paid in premiums in 1874		3,500
Number of entries of cattle		94
" "	horses, mules and asses	174
" "	sheep	125
" "	hogs	96
" "	poultry	72
" "	machinery	173

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Number of entries of	farm products, fruits, flowers, etc		413
"	"	textile fabrics	374
"	"	fine arts, musical instruments, etc	192
"	"	miscellaneous articles	285
Total number of entries			2,038

H. P. KIMBALL,
Secretary Winnebago County Agricultural Board.

WOODFORD COUNTY.

OFFICERS.

President—C. D. Banta, Metamora.
Vice-President—Chas. Rich, Metamora.
Secretary (Resigned)—Edward Kipp, Metamora.
Treasurer—J. W. Page, Metamora.
Secretary—J. R. Morse, Cazenovia.
Directors—J. L. McGuire, Metamora; Horace Hazen, Metamora; Joel A. Ramey, Cazenovia.

Number of members			200
Cash value of property, including stock			$2,000 00
Time of holding Fair in 1874		September 2, 3 and 4.	
Amount offered in premiums in 1874			1,351 50
Amount paid in premiums in 1874			385 90
Number of entries of	cattle	48	
"	horses, mules and asses	58	
"	sheep	12	
"	hogs	20	
"	poultry	15	
"	machinery	34	
"	farm products, fruits, flowers, etc	97	
"	textile fabrics	90	
"	fine arts, musical instruments, etc	36	
"	miscellaneous articles	144	
Total number of entries		500	

J. R. MORSE,
Secretary Woodford County Agricultural Board.

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METEOROLOGY.

Abstract of Meteorological Observations for 1874, *taken at Havana, Illinois, latitude* 40°, *longitude* 90°, *above sea level* 475 *feet, by J. Cochrane, Observer for Signal Service of the United States Army.*

1874.	Maximum	Minimum	Range	Monthly mean	Rain and melt'd snow	Highest daily mean	Lowest daily mean	Snow fall
January	67°	—7	74	29	2.61	62	02	2.25
February	56°	05	51	31	1.87	51	17	7.00
March	77°	16	61	31	1.22	61	24	0.25
April	77°	27	50	40	2.96	64	32	5.50
May	95	44	51	66	2.42	81	47	0.00
June	101	55	46	73	2.71	88	61	0.00
July	105	63	42	79	2.33	90	67	0.00
August	103	59	44	75	6.48	86	64	0.00
September	93	44	49	67	2.42	78	54	0.00
October	82	24	58	54	7.27	68	38	0.00
November	78	08	70	39	3.20	68	13	15.00
December	52	02	50	31	0.93	46	08	3.00
Sums	716	340	646	615	30.42	843	425	33.00
Means	59⅔	28⅓	54	51¼	2.53	70¼	35¼	.....

A dash (—) preceding a figure indicates below zero.

REMARKS.

Having treated of the details of our situation and local influences in my essay on this subject, in Vol. XI. 1873, I forbear a repetition of them here, but refer the reader to that volume, and merely refer to the peculiarities of the yearly synopsis set forth in the above table.

My record shows an aggregate of only 30.42 inches of rain and melted snow during the year, which is nearly ten inches less than an average mean for this region of Illinois. The rain of 1874, in addition to its limited amount, was so unevenly distributed as to be less valuable for crops than it otherwise would have been.

STORMS.

No remarkable storms passed over this region during the year. January and February were unusually quiet. During March twelve storms passed eastward of the United States; only one, and that very light, affected Central Illinois. April also passed without any unusual phe-

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nomenon, also May. The storms for these two months passing north of Chicago and Rochester, N. Y., with few slight exceptions; and none south of Milwaukee and Buffalo during the month of June. July touches us still more lightly, all pass north of Saginaw and Alpena, Mich. August varies the programme, and five storm centres pass eastward between St. Louis and Keokuk, giving us 6.48 inches rain during that month. In September all pass north again, leaving us only one, and an aqueous precipitation of but 2.42 inches rain for that month. In October all pass us with but little moisture, till November brings us fifteen inches of snow, and a total aqueous precipitation of 3.20 inches, or about an average for the month. December returns to the old order of things and furnishes but three inches of snow and less than one inch of water for the month.

TEMPERATURES

During the year have varied but little from those usual at their respective periods, except which were unusually mild; January being thirteen degrees, monthly average, warmer than January, 1875, the monthly means being respectively sixteen and twenty-nine degrees.

The influence on the

CROPS

of this vicinity may be summed up as follows: They suffered but little when well cultivated, owing to the peculiar nature of our soil. Light soils reflect heat and dark soils absorb heat, consequently crops suffered more on dark than on light soils. This point was strikingly illustrated in this city by two elevations planted with Scotch and Austrian pines, both varieties on each elevation, and of the same age. One elevation is composed of very light sand, and the other a heavy black loam; on the former no trees died, on the latter none got through the drought without serious damage, and most of them are dead.

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CANADA THISTLES.

The act in relation to Canada Thistles has been observed to a very limited extent. The following are the only reports made to the Secretary of the State Board of Agriculture, for the year 1874:

KANKAKEE COUNTY.

Town of Norton.

Enclosed I send you my report as Thistle Commissioner. I have found six pieces of land, the smallest piece being one rod square, and running from that to one quarter of an acre. I have tried three modes of subduing them: one is plowing; another is cutting; and the last and most effectual mode is mulching. I think I have killed some of the pieces, at least those that have been mulched, and I have well plowed and kept well cut the other pieces. It has been a good season for such work.

WALTER L. HENDRIX,
Com. of Canada Thistles.

KNOX COUNTY.

City of Oneida.

In the spring of 1873 I had a full three-quarter acre of this pest of all pests to the farmer. They spread from an adjoining lot upon mine. We knew the only way to kill them was not to let them grow at all—any way to do this will surely destroy them.

I broke the land in April, 1873, about four inches deep, having first grubbed out every tree and shrub I did not care to save, and digging a ditch, two and a half feet deep, a few feet outside of the plants. The last of May I began harrowing the ground, and working it with a double shovel plow. Did this twice, thoroughly. As my neighbor would not try to kill his, I gave up trying to kill mine, thinking they would keep

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running on me as before. So on the 3d and 4th of June I planted my patch to corn. The thistles appeared with the corn, growing luxuriantly, forming a perfect mat on a good part of the ground. Then I determined to let nothing grow but the corn. This I did by plowing the ground six times, and constantly cutting the thistles and the weeds with the hoe as fast as they appeared. To the more stubborn thistles I applied a few drops of sulphuric acid. No plant ever treated with this acid ever came up again.

Result.—After the 25th of June, that year, only five or six thistles put in an appearance that season; and only one puny plant has been seen since, except where my neighbor's have run across the line. The acid and the hoe have held them in abeyance, but they must be constantly watched and the acid applied to the new recruits.

Thus they have been killed, and can be again. Yet it can only be done by the most persistent and prompt action, not allowing a single plant to grow.

E. CHILD,
Com. of Canada Thistles.

WINNEBAGO COUNTY.

Winnebago Township.

By section six of an act passed March 15, 1872, entitled "An act concerning Canada Thistles," it is made my duty to report to you before the first day of November, annually—

1st. Whether there are or not any Canada Thistles growing in town.

2d. If any are growing, where and how many, and when introduced.

3d. A detailed statement of the treatment of each infected tract, with cost and result.

4th. Report such other matters as Board of Auditors shall require.

5th. He shall state his views on their further treatment, make such suggestions and recommendations as he may deem proper and useful.

Agreeable to the above requirements, I beg leave to make the following report:

1st. There are two tracts or pieces of Canada Thistles in this town.

2d. There is one piece of about one acre on the northwest quarter of section 22, land owned by Jerry O. Merrifield; introduced in 1838 or 1839, by sowing clover seed brought from the East. Also another tract of about one-half of an acre, on the west half of southeast quarter of section 5, land owned by G. Van Alstine; was on it when Van Alstine purchased the land, and no means of knowing how they were introduced.

3d. I cut each infected tract in the old of the moon, in August; also have applied salt to them, once in every week or ten days. Since the 4th of August last have purchased eleven barrels of salt—ten barrels of Agurd, of Rockford, at $1 75 per barrel, and one barrel of M. M. Swan, at two dollars per barrel. Have put on the Merrifield tract seven, and on the Van Alstine two barrels of salt. Expense on the Merrifield

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tract: in salt, $12 50; in labor, $16. On Van Alstine tract: in salt, $3 50; in labor, $10. Aggregate amount expended up to this time, $42. This, however, does not include hauling salt. In reference to result, I can only judge from appearances. I think there are not more than from one-half to two-thirds as many thistles as when I commenced on them on the 18th day of June, last. And if present appearances are not deceptive, the same course faithfully pursued for another year, or at most two years, will entirely eradicate them.

4th. The Town Auditors have made no especial request, and I will not notice them here.

5th. In reference to further treatment, I can only repeat that I am fully convinced that the faithful application of salt, with perhaps the cutting in the old of the moon, in August, will entirely eradicate the Canada Thistles. It is with me only a question of time.

All of which is respectfully submitted.

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ROADS AND ROAD MAKING IN ILLINOIS.

By W. J. EDWARDS, Chicago, Ill.

PRIMITIVE ROADS.

Without good roads there can be no material development, beyond that mediocrity which mere civilization gives. Even the most degraded savages have well defined trails; and the knowledge of the conservation of manual force, which it would almost seem that they possess intuitively, leads them, from point to point, over the easiest grades consistent with a direct route. So, the early settler finding soon the necessity of roads, first blazes a bridle path through the timber, or else, follows the trail of the Indian across the plain. Speedily, however, the wagon or cart must be used for the transportation of crops and other goods, and these usually follow the ridges or higher lands, until, with the further settlement of the country, water courses are bridged, sloughs are ditched, and at last continuous tracks, and next roads, crude and imperfect, it is true, but yet distinctly defined, are made from point to point.

GOOD ROADS THE LANDMARKS OF CIVILIZATION.

Nature knows no roads; and savages, like some species of animals, wear tracks only. Therefore, it may be set down as an axiom, that one of the first indications of increasing civilization in man, is the steps he takes to improve the roadways over which he must travel; and therefore the completeness of the roads are as landmarks, which show the degree of enlightenment which a nation has reached. Not only this, but the higher the civilization, the nearer the approach to true utility in designing and forming the road beds of a country—if we except mere pleasure roads, as seen in private grounds and also in landscape gardening.

PLEASURE ROADS MUST APPEAR NATURAL.

However pleasing curved lines may be, or however delightful the views caught here and there—however charming the vistas that now and again appear in the driveways of the wealthy man's estate—yet, in the formation of public roads, all this must be sacrificed to the tyrant, utility. They may not be employed in purely ornamental driveways, even without some apparent cause, artificial though it be, for the curvature of the road. A change of level in the ground, a pond, a tree,

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a group of shrubbery, or some similar natural or artificial obstruction, must be present to afford an opportunity to demand a change of line. Thus, in landscape gardening, where the ground is irregular, the deviations from a straight line necessary to follow an easy grade and at the same time adhere as closely to the natural surface of the ground as possible, will generally develop graceful curves. And in no case should any but the easiest curves in long sweeps of roadway be attempted on a level surface; for they would be just as incongruous as would be a Gothic cottage, with its acute angles, standing in the middle of a marsh, or a fine mansion in a wilderness.

NO ROADS, NO CIVILIZATION.

Granted, then, the necessity for roads, both useful and ornamental, let us explain how roads develop a country. First, they render traffic practicable. Even the mere bridle path to the nearest well does this, but in a country where no other roads are asked for, the inhabitants will too often be found carrying a stone in one end of the sack to counterbalance the peck of corn in the other, if, indeed, they do not pound their grist between two stones. Their village will be irregular; their implements of the crudest kind; education among them will be wholly wanting. The men will be barbarians; the women slaves; while the land itself will be divided between wild beasts and savage tribes. But soon the inventive faculty of the settler devises a rude vehicle, for he finds that the log may be rolled far easier, than it can be drawn lengthwise. The inventor, from his superior intelligence, acquires wealth more rapidly than his fellows, and with wealth comes the desire for luxuries. His compeers are stimulated to like efforts. Fields are opened, improved, implements are devised, villages are built, and so roads must be made to them, and, lo! the problem of civilization is at last solved.

THIRTY YEARS' HISTORY.

It requires no exhaustive argument to prove the immense value of roads to a country. Thirty years ago, Illinois was almost without marked roads. To-day, she stands foremost amongst the Western States, in point of wealth, population and commerce; yet, her true road system is only partially developed. One reason for this is, that her surface forms admirable natural roadways when dry, as is usually the case from June to November, except along the water courses. Who of her older inhabitants does not recollect the laborious teaming necessory thirty years ago to convey a load of flour, bacon or apples, to the then infant city of Chicago, and the laborious teaming back to Central Illinois and South, with salt and other goods, the watch-fires, the camping at night, and all the hardships incident to sparse settlements, with none but prairie roads.

What has worked the change? Is it her splendid McAdam or gravel roads?

No—for she has next to none such?

What—then?

It is her splendid railroad system, which has rendered expensive roadway's unnecessary, except in the vicinity of large cities. When there is such a perfect net-work of railroads that the average distance from her

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farms to these roads is but twelve miles, it is no wonder that her prosperity has been unexampled in the history of States. The railroads have carried civilization and wealth into all her borders, in spite of her execrable roads.

I use this word deliberately, and yet with a proviso. They are bad, not from the inherent nature of the soil, but from the want of proper care in arranging the soil in the roadbeds, so that they may not become water soaked. Drainage alone is wanted, and this can never be accomplished until a continuous system of roadway is undertaken, extending from section to section, and from township, both north and south, and east and west. We all know the general surface of her soil forms an admirable natural roadway when dry. Strange, is it not, that we should have gone on so long without finding out, that laid in a continuous ridge, through valleys and over the gentle slopes, with as open and continuous ditches at the sides, and requiring only lateral ditches here and there to form outlets, would solve the problem. If testimony is wanted, visit the towns of Chebanse, Ashkum and Douglass, in Iroquois county, containing the Iroquois marshes and the Vermilion swamp, one of the worst natural localities for roads in the State, and observe what drainage and perfect earth roads, marked out by intelligent commissioners, have done toward the development of a country?

Or, visit the vicinity of Champaign city, in Champaign county, and see the results there. Other places might be cited, but these given will suffice to show, that, with our railroad system, all that is required is good roads, built of the natural prairie soil, entirely by machines, to render our State the richest, as her people are the most enterprising in the Union.

WELL DEFINED PLANS NECESSARY.

In the formation of roads for the carriage of loads, or those of utility, they should go as directly from point to point as the nature of the ground will permit. This portion of the work is the first duty of the engineer. He must survey the country, and the various obstacles; figure upon the relative economy of passing over, through or around them, and so form his grades as to present the least possible obstacle to the passage of teams. In this direction, and in spanning chasms; passing around or through mountains; bridging great rivers, or tunneling under them, some of the greatest engineering feats in the history of the world have been performed.

It is obvious, that, as a rule, the roads of a country should be built of the material found in the vicinity, and that will combine in the greatest degree, cheapness, indestructibility and smoothness of surface, with the requisite degree of firmness. And whatever kind of roads are made, they must present a slightly convex surface, be of easy grade, and also be thoroughly drained, else the labor of their construction is expended in vain.

GRAVEL ROADS EASILY MADE.

In localities where sharp gravel is obtainable, there is no doubt but that a covering of from ten to fifteen inches upon a perfectly graded and well drained road is one of the best and most economical; at the same time it is easier to keep in repair for county roads, for the reason that it costs merely the digging and hauling. Washed and rounded

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gravel should never be used, for it will never cement together to form an even surface. It may, indeed, in time become so incorporated with the soil as to increase the solidity of the roadway, but it can never become a really efficient medium over which loaded vehicles can pass at all seasons of the year. In California, which is well known for the miry nature of its soil, during the rainy season, even in the mountains, a covering of sharp gravel, twelve to eighteen inches thick over carefully graded road beds, has proved entirely satisfactory, and it is quite well known that, for ordinary travel, there are no roads more agreeable to travel on in Illinois, than carriage ways, carefully drained, graded, and then ballasted with Joliet or similar gravel.

PLANK, EARTH AND GRAVEL.

Some years since plank roads were all the rage. It is scarcely necessary to notice them here, since they are expensive to build, annoying and costly to keep in repair, quickly wear out, are absolutely torturing to animals driven fast over them, rack vehicles severely, and are little less than horrifying to those travelers who are compelled to ride over them. These two classes of roads, if we except the poor make-shifts usually found, patched in here and there, by throwing irregularly to the centre of a roadway a ridge of earth scooped from the sides, with no definite idea of the first principles of road making, have been made to do duty as roads. The first is found only at long intervals; the second is happily now a thing of the past. The third or earth roads, if properly made and kept in repair, would, at a comparatively light cost, add infinitely to the average value of the farm lands, not alone of Illinois, but of the entire prairie region of the West.

CONSTRUCTION OF ROADS.

The proper construction of roads adapted to continuous and heavy traffic by loaded teams at all seasons of the year must depend measurably upon local circumstances; for their perfection and durability will be in direct ratio to the materials used, other circumstances being equal.

In large cities and near great marts of trade and commerce, the first cost of such roads is only a secondary consideration. They must perforce be perfect at any reasonable expense. Fortunately timber is cheap, and had plank roads served no other purpose, they should be respected as being the initial movement toward the Nicholson pavements that are now held in such justly high repute in the great cities of the West. The next in point of endurance and easy travel is undoubtedly the Telford pavement; next, the McAdam roadways; next, gravel roads; and last, but not least, as I hope to show, will be the roads of loam, clay, or other materials which form the natural soil of Illinois. For this reason I shall reserve it until the last, and briefly describe the more artificial roadways that can only be made under the direction of competent engineers and trained workmen.

Before proceeding however to this, there are some questions that suggest themselves, which may well be considered here.

IMPORTANCE OF DRAINAGE.

The first requisite in any road, as has been before stated, is drainage. The second is the sub-road or foundation, but since this must always be

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of the soil natural to the country, it may safely be left until that class of roads is considered.

Drainage must be absolutely perfect. For any road, if water soaked, however great the expense incurred in its construction, will not stand. This drainage may be made by open ditches or gutters at the side, if the water be carried away from the vicinity of the road bed at every available point. Whenever practicable the fall should be made both ways from a point as nearly central as may be, and each water way should be extended to a point of discharge lower than the plane; but if the distance between such points of discharge be so great as to lead to the fear of a washing of the road bed, the proper means must be taken to prevent this, no matter what the cost.

Where gradients are so steep that the water will flow along the road in spite of the rounded surface, then catch or water bars, transverse gutters must be provided to carry the water into the proper channels at the sides of the roadway.

TRANSVERSE GRADES OF ROADS.

The transverse grades of roads is a most important consideration. On perfectly hard roads, such as the Nicholson, Telford, McAdam, or others with so hard and uniform a surface, that they will not under any circumstances wash, a very slight decline only from the center to the sides should be given, for much lateral slope is one of the most objectionable features in hard roads, and is permissible at all, simply to carry off moisture; therefore, in every case this should be reduced to a minimum on the last slope consistent with the perfect drawing of the water of rains into the gutters at the sides of the road. Consequently, it is scarcely practicable to give any rule that will meet even a moitey of the constantly changing conditions, or that will meet even approximately the cost of the various materials of which roads are made.

Section Two.

PAVEMENTS AND ROADS OF ANCIENT AND MODERN TIMES—CHINESE AND ROMAN ROADS.

Some ancient nations carried road making to a high state of perfection. They were made of as various materials as they are at the present time, including gravel, asphalt, and numerous concretes. On these it will be useless to expatiate, since the civilization that called those roadways into existence has passed away and nothing remains save the traditions. There are, however, two systems of roadways of nations that lived and bound together ancient and modern times—the Chinese and the Roman—whose roads were of the most solid and enduring nature. Those have been the basis from which our system arose. The Chinese roads are perfect to-day because that nation still exists to keep them in repair. The remains of some of the Roman roads still stand in a state of good preservation, although centuries have elapsed since the nation which made them almost perfect, became a thing of the past.

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The system which the Chinese adopted in building their roads was to grade the roadway and then cover the whole with hewn blocks of stone, carefully jointed and cemented together so that the entire surface presented a perfectly smooth plane. They are immensely costly to build and indestructible by time. The block pavements of modern days are of this type. They would not, however, be tolerated now, since teams have but little traction power on these roads, owing to the hard, smooth surface of the exterior, and horses are liable to slip, fall and injure themselves.

The Roman roads were built by laying a concrete foundation of proper thickness and then cementing therein blocks of stone or other material. Their knowledge of engineering was superior and the sums of money they expended prodigious. We are all conversant with the feats of Hannibal in his passage of the Alps. His engineers forced a passage over rocky promontories by heating the surface and then disintegrating it by means of acids (vinegar). Modern science, in road making, is as far superior to the ancient as is gunpowder, nitro-glycerine and dynamite to the old method of blasting by heat and the application of acids.

MODERN PAVEMENTS—THE NICHOLSON.

The Nicholson pavement undoubtedly combines more excellencies than any other form of pavement for vehicles. It is easily laid, durable, and also easy of repair; is pleasant for travel, comparatively noiseless, and not especially injurious to the hoofs of horses. In constructing these pavements the first step is to grade the roadway; a layer of sand or fine gravel is then laid smoothly and evenly over; inch to inch and a quarter boards are then placed over the sand so as to break joints; this is now thoroughly swabbed with boiling gas tar. Four inch timbers are then accurately sawn to a length of eight inches, and laid either directly or diagonally across the roadway, and securely nailed to the planking beneath, or to the narrow strips used to divide the lines of block, thus leaving a space of an inch between the upper half of the row of blocks. These interstices are filled with fine gravel of uniform size; gas tar at nearly a boiling point is then poured in, and the whole rammed compactly with suitable implements. A layer of gravel of a quarter to a half inch size is then thinly strewed over the pavement. The whole is swept so as completely to fill the interstices, and then we have a type of the best roadway ever devised by man.

Many variations have been made from this plan, as laying the blocks directly on the bed of sand or gravel beneath, doing away with the narrow strips, etc., etc. They have some advantages, but the real improvements on the original plan more than counterbalance them. It would appear, however, that if the foundation could be made on the Telford plan, and this be covered with sufficient fine gravel to thoroughly cement the whole and the wooden pavement laid directly over all, it would leave little to be desired either in point of solidity, permanence or facility for repairs. The expense of such pavements, however, preclude their adoption except in cities and their vicinity where the travel is heavy and constant, for the interest on the cost and wear and tear of any road can only be a fixed and just percentage of the traffic thereon.

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MACADAM ROADS.

In tenacious soils the surface on which to place the broken stone should be at least one foot above the bottom of the waterways. The margins and slopes must be of such a nature that they will not wash or abrade, and if an under-drain be placed at each side of the rock covering, so much the better. Indeed, the value of under-drains beneath any road, with lateral drains at suitable intervals, into the waterways at the sides of the road, are not appreciated as they should be by many otherwise good engineers.

The stone with which the road is ballasted should be broken so that the most of it would pass through a two-inch ring, this being found by experiments made both in England and other countries, to be the largest size allowable. Indeed, MacAdam himself declares that cubes of one and one-quarter inch are better than a larger size; but in speaking of cubes of a certain size it is neither understood that absolutely square pieces are meant, or that the sections of rock shall be of uniform size. In fact, a considerable irregularity of size and shape is more conducive to a perfect cementing of the whole, so that when settled by rolling and travel it shall form a continuous, even surface, over which vehicles may be easily propelled.

Years ago the laborious process of breaking the stone by hand formed an item of considerable expense in the formation of these roads. Later, machines were invented which perform this work most perfectly.

UNIFORMITY OF THE SUB-BED.

In the application of the broken stone to the road-bed care should be taken that the earth's surface has not been worn into ruts, for if this be the case, it will inevitably cause the road to settle unevenly, and such depressions cannot be mended save by picking up, remetaling and again ramming. In this case the stone should be rather smaller than that used in the building of the road. The same rule will also apply to all the repairs of the road. Whenever depressions or ruts are worn, the surface must be picked to a sufficient depth to permit the packing used to thoroughly cement with the metal below.

METALING AND DRESSING ROADS.

To cover or metal a mile of road twenty feet wide to a depth of twelve inches, will require $903\frac{1}{10}$ cords of stone or other material, so that, given the cost of the rock, and knowing the value of labor, it will be easy to figure the cost of the superstructure. So the rule will also apply to any portion of the labor required to form any road. The conditions are so varying, that even an approximation cannot be reached; and these always mislead. The exact conditions must be studied by the commissioners as they always are by contractors. If this be done, there will seldom be much difference between the contracting parties.

For ballasting or metaling roads, as it is called, limestone is most generally used, probably for the reason that it is the most evenly distributed, and when available, being of easy and even fracture, it is cheaply prepared for the road bed. Nevertheless, it is not the best material. Granite, from its superior hardness, is much superior; but this rock, being one of the primary formations, is comparatively rare at the surface of the earth. As it will not pay to convey the metaling long distances, the most available rock near by must, perforce, be used.

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The surface of the road having been properly ballasted, a dressing of clay, from one to two inches, should be laid over all, and the whole surface thoroughly and continuously rolled with a heavy roller, until the superstructure is alike even and compact, and the angularities of the metal have been thoroughly interlocked and rendered solid, before vehicles are allowed to pass over it. Many object to this surfacing, but without this or some other binding covering, the top will be a long time in coming into a smooth surface, and is far more likely to be worn into ruts, especially if it be a country road, where there is comparatively little turning out from the centre to avoid teams going in a contrary direction.

Another advantage of the clay surfacing, besides its binding action, is that it prohibits passing wheels from destroying the angularity of the broken rock, and thus preventing cohesion, by reducing them to the shape of water-worn pebbles; for it is well known that stones once worn round never after cohere and bind together to form a perfect surface. Another advantage of this clay surfacing is, that it at once renders the road comparatively water-proof, and, gradually working down, does not in the least add resistance to the draught of teams, as has been claimed, but, on the contrary, does render the draught much easier, at first, than if the rock surface were on top.

WIDTH OF MACADAM SURFACE.

A width of twenty feet of rock is ample for any travel, except in isolated cases, where a road is thronged with teams constantly passing and re-passing, as is the case in large cities or contiguous to them. On all roads there should be side tracks corresponding with and forming an unbroken grade with the macadamized portion of the roadway. This metaled surface may be diminished, both in width and thickness, down to a width of eight feet and a thickness of six inches, to meet cash to be expended on the requirements of travel.

GRAVEL ROADS—WIDTH OF GRAVELED SURFACE.

The great cost of hauling material of any kind to form the superstructure of a road, renders it imperative that the most careful calculation be made as to the amount of traffic thereon. If, for instance, the heavy travel be nearly all one way, as in country places, ten feet of ballasted portion will be ample; fourteen feet will easily allow for turning out, and for the passage of loaded teams; eighteen to twenty feet will allow teams to go in contrary directions continuously; and twenty-four to thirty-two feet will admit of the road being thronged in both directions, and yet leave sufficient room for turning out and the passing and repassing of light vehicles, swiftly driven.

When the earth of the roadway consists of gravel of proper size, and clay in due proportion, or if there be an admixture of cementing material, as combinations of iron, etc., as is sometimes found, the work of making the road is comparatively easy. It has merely to be graded by the proper machines, (and these should be employed in every town, whether metaled or natural roads are to be used,) and then the material, by repeated rollings, cemented firmly together. Of course, in making any road, it is understood that the proper engineering must first be employed, the gradients established, sharp hills leveled or passed around, valleys filled, natural obstacles cut away and removed, so that, what-

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ever grade be established as the maximum, the surface may be made to correspond. This is the work of the surveyor. This done, the proper slope of the road adjusted, the drainage provided for, the culverts established, and other minutia attended to, all the contractor then has to do is to carry out the plan according to the specifications.

ILLINOIS ADMIRABLY ADAPTED FOR GOOD ROADS.

Unfortunately for the constructing of perfect roadways in Illinois, this variety of soils rarely exists; but if unfortunate in this respect, the disability is amply compensated for by the exceeding richness of her soil. A country composed of material suitable for superior roads, is never worth much for anything else—certainly not for agricultural purposes. But, as before stated, we propose to show here not only how Illinois, but the whole prairie portion of the West, may have roads good enough, during the seasons of principal travel, to allow the carrying of 4,000 pounds per team of two horses; and this can be done at an exceedingly light cost for labor. While our soil is one of the richest on the face of the earth, there are few countries where the material can be made into as good roadways as ours. They have only to be properly drained, graded and compacted to form most admirable roadways, that will rarely become bad for travel, except, it may be, a short season in the early winter and spring.

COMBINATION ROADS.

In the construction of gravel roads, as in all others, the sub-stratum must be, of course, the natural soil of the locality. The drainage must be as well attended to, and the engineering must be the same as for other roads. The lower portion of the road-bed may be of any material that will make a solid foundation for the upper strata, or the whole may be composed of gravel of different sizes, the larger being placed and kept at the bottom. For light traffic and easy travel, both for teams and individuals, there is no question of the superiority of well made and well kept gravel roads over all others. A combination of the Telford foundation with a gravel surface, when the cost may warrant it, will, in my opinion, form the *ne plus ultra* of a roadway for ordinary travel.

At the bottom, on a properly graded sub-way, may be placed the rough foundation of the road-bed, consisting of irregular stone, or small boulders, from the size of a man's fist to a two-quart measure, or larger, according to the amount of travel expected. Over this the top work of smaller gravel should be laid, still keeping the larger gravel at the bottom and evening up with the smallest.

Great care should be taken to secure the foundation properly. The large pieces of rock forming this should not be laid in at random, or in rows, and never on their flat side; but should be placed so as to break joints, as it were, and yet be left sufficiently even on top to receive the covering of gravel. This is done by breaking away those projections of rock which rise much above the general surface; or when square, they may be embedded in the soil beneath. In this connection there is one fact which should never be lost sight of; and that is, that the foundation must ever remain pervious to water, so that whatever moisture may find its way through the surface, may immediately pass to the soil

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below, and thence easily percolate to drains which should always be provided, unless the nature of the soil and subsoil be such that the drainage is naturally thorough.

FOUNDATIONS MUST BE SOLID.

It is essential that the foundation of any road be rolled when laid. It is absolutely imperative that the surface covering be so rolled, until the whole is entirely compacted into one cohesive mass. The very best roads are made thus, whether with a covering of gravel, or macadam, or any other cohering material; the larger in the bottom, and the finer on top, while no material the size of a hen's egg should ever be allowed within four inches of the top; and the harder the rock material the smaller the cubes or fragments of rock or gravel may be, for a complete cementing of the whole.

Now as the perfection of a road made of broken stone is, to have a foundation of coarse angular fragments, followed by a covering of two-inch cubes, surfaced with cubes of one inch, or smaller, according to the hardness of the material; so the most complete gravel roadway is made by placing the larger stones at the bottom, over which the smaller are laid; the whole to be finished with that of less and less size, until the surfacing shall be the smallest sharp gravel obtainable.

CONCRETE AND OTHER ROADS—CINDER ROADS.

It will not be necessary to speak of the various concrete and cement roads, except in the way of mere mention, since they are valueless for heavy and steady travel, unless we except the so-called cinder roads, or those composed of the scoria from blast furnaces. These do make excellent mediums for ordinary travel. The material, when obtainable, cements most perfectly, and is pleasant to travel over, if kept free from dust; but, from the soft and porous nature of the material, under heavy work, they soon wear out. For the foundation of road-beds this scoria is most valuable, and is extensively used in the vicinity of Chicago and other places where smelting furnaces, rolling mills, or other works for the melting of iron are in operation.

ASPHALT AND CONCRETE ROADS.

Asphalt is used in many combinations in the formation of roads. Its cementing qualities and the indestructible nature of the materials, through exposure to the elements, make it valuable when it is readily obtainable. In Paris, France, and its vicinity, asphalt is extensively used, but the dust arising from it is obnoxious in the extreme.

Concrete roads are made under several patents, and are composed of a wide variety of materials: gas tar, and gravel, and cements of several kinds, with gravel; often with some form of lime as the base, or entirely of lime or plaster. As mere pleasure walks or lawn drives, to be covered with gravel, they may answer for a make-shift, where nothing better can be obtained. Concrete, of which lime is the base, made upon the road, and laid to the depth of six inches, and then covered with gravel, pressed into it before it sets, is excellent as a foundation, where stone cannot be procured. There are remains of old Roman roads so made, that are sound to-day.

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Section Three.

SCIENTIFIC EXPERIMENTS RELATING TO ROADS—AUTHORITIES QUOTED.

We have so far carried the reader through some of the more expensive kinds of roads in use in various countries. We now proceed to give tables and other data from actual experiments made by celebrated engineers in Europe. These might be multiplied indefinitely, and quotations made from such authorities as Law Morin, MacNeill, Sir H. Parnell, Bevan, Edgeworth, Flachet, Gerstner, Kassak, Minard, Navier, Perdonnet, Poncelet and others. The four first named, however, must suffice. They establish important facts that should be known to all who have anything to do with the making or the management of roads.

The experiments of Morin, made in 1838–41, appear to have been made with a degree of care and accuracy, leaving nothing more to be desired, and the following table, an extract from his results, will be found valuable as giving that fraction of the weight of the vehicle and load, which is required to move them on a level road:

Character of the road.	Character of the vehicle.					
	Two wheel'd carts.	Tr'ks, four wheel'd three and four horses	Four horse stage coaches on spr'gs.		Two horse carriag's body on springs.	
Firm soil covered with gravel, four to six inches deep.	1-12	1-9	1-8		1-8	
Firm embankment covered with gravel 1½ to 1¾ inches deep.	1-16	1-11	1-10		1-10	
Earth embankment in very good condition	1-41	1-29	1-26		1-26	
Bridge flooring of thick oak plank	1-70	1-46	1-41		1-42	
Broken Stone Road.			Walk.	Trot.	Walk.	Trot.
In very good condition, very dry, compact and even	1-75	1-54	1-48	1-41	1-49	1-42
A little moist or a little dusty	1-53	1-38	1-34	1-27	1-34	1-27
Firm, but with ruts and mud	1-33	1-24	1-21	1-18	1-22	1-19
Very bad, ruts four to four and a half inches deep, thick mud	1-19	1-14	1-12	1-10	1-12	1-10
Good pavement { Dry	1-90	1-65	1-57	1-38	1-59	1-39
Good pavement { Covered with mud	1-69	1-50	1-44	1-33	1-45	1-34

As an example, suppose a truck weighing, with its load, 9,000 pounds. How many pounds traction will be required to move the same?

Answer:—On firm soil, gravel four to six inches deep, that is a newly repaired road as we often find it, ($\frac{1}{9}$ by table) 1,000 pounds; on best kind of embankment ($\frac{1}{29}$ by table), 310.3 pounds; on broken stone roads in good condition ($\frac{1}{54}$ by table), 166.6 pounds; on broken stone roads, deep ruts and mud ($\frac{1}{14}$ by table), 643. pounds; on a good pavement ($\frac{1}{65}$ by table), 138.5 pounds. Or since the tractive force of a medium horse, when working all day, is said to be about 125 pounds, we need in the first case, eight horses; in the second case, two and a half horses; in the third case, about one and a quarter horses; in the fourth case about five horses, and in the fifth case, only one good horse to move the same entire load all day.

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GENERAL RESULTS OF EXPERIMENTS.

The following are the general results of the experiments made by M. Morin, upon this subject at the expense of the French government.

"*First*—The traction is directly proportional to the load, and inversely proportional to the diameter of the wheel.

Second—Upon a paved or hard macadamized roads the resistance is independent of the width of the tire, when it exceeds from three to four inches.

"*Third*—At a walking pace the traction is the same, under the same circumstances, for carriages with springs or without them.

"*Fourth*—Upon hard macadamized and upon paved roads, the traction increases with the velocity; the increments of traction being directly proportional to the increments of velocity, above the velocity of 3.28 feet per second, or about two and a quarter miles per hour. The equal increment of traction thus due to each equal increment of velocity is less, as the road is more smooth, and the carriage less rigid or better hung.

"*Fifth*—Upon soft roads of earth, or sand, or turf, or roads fresh and thickly graveled, the traction is independent of the velocity.

"*Sixth*—Upon a well made and compact pavement of hewn stones, the traction at a walking pace is not more than three-fourths of that upon the best macadamized road under similar circumstances; at a trotting pace it is equal to it.

Seventh—The destruction of the road is in all cases greater, as the diameter of the wheels are less, and it is greater in carriages without than with springs."

FORCE AND RESISTANCE TO TRACTION.

Experiments made by Sir John MacNeill, with an instrument invented by him for the purpose of measuring the tractive force required on differrent descriptions of road, under various circumstances, will be of value. The general results which he obtained ore given in the following table, the numbers in which exhibit the tractive force requisite to move a weight of a ton, under ordinary circumstances, at a very low velocity upon the several kinds of road mentioned:

Description of Road.	Force in pounds required to move a ton.
On a well made pavement	33
On a road made with six inches of broken stone, of great hardness, laid either on a foundation of large stones, set in the form of a pavement, or upon a bottoming of concrete	46
On an old flint road, or a road made with a thick coating of broken stone laid on earth	65
On a road made with a thick coating of gravel, laid on earth	147

Sir John MacNeill has also given the following arbitrary formula for calculating the resistance to traction on various kinds of roads; they have been deduced from a considerable number of experiments made on different kinds of roads, specified below, with carriages moving at various velocities. Putting R for the force required to move the carriage, W, the weight of the carriage; w, that of the load, all expressed in pounds; v, the velocity in feet per second, and c, a constant number

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which depends upon the surface over which the carriage is drawn, and the value of which for several different kinds of road is as follows:

On a timber surface	$c =$	2
On a paved road	c	2
On a well made broken stone road, in a dry, clean state	c	5
On a well make broken stone road, covered with dust	c	8
On a well made broken stone road, wet and muddy	c	10
On a gravel or flint road, in a dry, clean state	c	13
On a gravel or flint road, in a wet and muddy state	c	32

Referring to this, Sir H. Parnell applies the formula as follows, supposing the case to be that of a common stage wagon:

$$R = \frac{W+w}{93} + \frac{w}{40} + c\,v; \qquad (1.)$$

And in the case of a stage coach—

$$R = \frac{W+w}{100} + \frac{w}{40} + c\,v; \qquad (2.)$$

These formula, being reduced to verbal rules for the convenience of those not conversant with algebraical expressions, are:

RULE.—Divide the weight of the carriage, when loaded, in pounds, by 93 if a wagon, or 100 if a coach, and to the quotient add one-fortieth of the weight of the load only; the sum, added to the velocity in feet per second, multiplied by the proper number taken from the above table for the particular kind of road, will give the force in pounds required to draw the carriage at the given velocity upon that description of road.

For example: What force would be requisite to move a stage coach weighing 2,060 pounds, and having a load of 1,100 pounds, at a velocity of nine feet per second, along a broken stone road covered with dust?

Here we have—

$$\frac{2060+1100}{100} + \frac{1100}{40} + 8\times 9 = 131.1 \text{ pounds.}$$

for the force required.

INCLINATION *vs.* FORCE, ETC.

Mr. H. Law, C. E., in the work—"Construction of Roads," edited by Robert Mallet, C. E., etc.—gives the following table, which is of importance, as showing the comparative disadvantages of hilly roads, with light and heavy travel. It is also valuable as showing the resistance upon various grades, and also the angle which these grades will present to the horizon. It shows, with sufficient exactness for most practical purposes, the force required to draw carriages over inclined roads, and the comparative advantage of such roads and those which are perfectly level. The first column expresses the rate of inclination, and the second the equivalent angle; the two next columns contain the force requisite to draw a common stage wagon weighing, with its load, six tuns, at a velocity of 4.4 feet per second (or three miles per hour), along a macadamized road in its usual state, both when the hill ascends

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and when it descends; the fifth and sixth columns contain the length of level road which would be equivalent to a mile in length of the inclined road, that is, the length which would require the same mechanical force to be expended in drawing the wagon over it as would be necessary to draw it over a mile of the inclined road; the four next columns contain the same information as the four last described, only with reference to a stage coach supposed to weigh, with its load, three tuns, and to travel at the rate of 8.8 feet per second, or six miles per hour:

Rate of Inclination.	Angle with the horizon.....	For a Stage Wagon.				For a Stage Coach.			
		Force required to draw the wagon up the incline.....	Force required to draw the wagon down the incline...	Equivalent length of level road for an ascending wagon ..	Equivalent length of level road for a descending wagon ...	Force required to draw the coach up the incline	Force required to draw the coach down the incline...	Equivalent length of level road for an ascending coach	Equivalent length of level road for a descending coach.....
		lbs.	lbs.	Miles.	Miles.	lbs.	lbs.	Miles.	Miles.
1 in 600.....	°0 ′5 ″44	286	241	1 085	.9150	373	350	1.030	.9690
1 " 575.....	0 5 59	287	240	1.088	.9116	373	350	1.032	.9676
1 " 550.....	0 6 15	288	239	1.093	.9074	374	349	1.033	.9662
1 " 525.....	0 6 33	289	238	1.097	.9029	374	349	1 035	.9646
1 " 500.....	0 6 53	291	237	1.102	.8979	375	348	1 037	.9629
1 " 475.....	0 7 14	292	235	1.107	.8926	376	347	1.039	.9605
1 " 450.....	0 7 38	294	234	1.113	.8869	377	347	1.041	.9588
1 " 425.....	0 8 5	295	232	1.120	.8801	377	346	1 043	.9563
1 " 400.....	0 8 36	297	230	1.128	.8725	378	345	1.046	.9535
1 " 375.....	0 9 10	300	228	1.136	.8642	380	344	1.049	.9505
1 " 350.....	0 9 49	302	225	1.146	.8543	381	342	1.053	.9469
1 " 325.....	0 10 35	305	222	1.157	.8433	382	341	1.056	.9430
1 " 300.....	0 11 28	309	219	1.170	.8301	384	339	1.061	.9381
1 " 290.....	0 11 51	310	217	1.176	.8245	385	338	1.064	.9358
1 " 280.....	0 12 17	312	216	1.182	.8179	386	338	1.066	.9336
1 " 270.....	0 12 44	314	214	1.189	.8111	386	337	1.068	.9314
1 " 260.....	0 13 13	315	212	1.196	.8039	387	336	1.071	.9286
1 " 250.....	0 13 45	317	210	1.204	.7963	388	335	1.074	.9259
1 " 240.....	0 14 19	320	208	1.212	.7876	390	334	1.077	.9226
1 " 230.....	0 14 57	322	205	1.222	.7785	391	332	1.080	.9192
1 " 220.....	0 15 37	325	203	1.232	.7683	392	331	1 084	.9156
1 " 210.....	0 16 22	328	200	1 243	.7573	394	330	1.088	.9115
1 " 200.....	0 17 11	331	197	1.225	.7451	395	328	1.092	.9071
1 " 190.....	0 18 6	334	193	1.268	.7319	397	326	1.097	.9024
1 " 180.....	0 19 6	338	189	1 283	.7171	399	324	1.103	.8968
1 " 170.....	0 20 13	343	185	1 300	.7004	401	322	1.109	.8908
1 " 160.....	0 21 29	348	180	1.319	.7814	404	320	1.116	.8839
1 " 150.....	0 22 55	353	174	1.341	.6587	406	317	1.123	.8761
1 " 140.....	0 24 33	360	168	1.364	.6359	410	314	1.132	.8673
1 " 130.....	0 26 27	367	160	1.392	.6079	413	310	1.142	.8573
1 " 120.....	0 28 39	376	152	1.425	.5752	418	306	1.154	.8451
1 " 110.....	0 31 15	386	142	1.451	.5491	423	300	1.169	.8308
1 " 100.....	0 34 23	398	129	1.510	.4903	429	294	1.185	.8142
1 " 95.....	0 36 11	405	122	1.537	.4634	432	291	1.195	.8045
1 " 90.....	0 38 12	413	114	1.566	.4338	436	287	1.206	.7937
1 " 85.....	0 40 27	422	106	1.600	.4004	441	282	1.219	.7801
1 " 80.....	0 42 58	432	96	1.637	.3629	446	278	1.232	.7677
1 " 75.....	0 45 51	443	85	1.680	.3204	451	272	1.247	.7522
1 " 70.....	0 49 7	456	72	1.728	.2719	457	266	1.265	.7345
1 " 65.....	0 52 54	470	57	1.784	.2161	465	258	1.285	.7143
1 " 60.....	0 57 18	488	40	1.850	.1505	474	250	1.309	.6903
1 " 55.....	1 2 30	508	19	1.926	.0736	484	239	1.337	.6620
1 " 50.....	1 8 6	533	.....	2.019	.....	496	227	1.371	.6283
1 " 45.....	1 16 24	562	.....	2.133	.....	511	212	1.412	.5871
1 " 40.....	1 25 57	600	.....	2.274	.....	530	194	1.464	.5354
1 " 35.....	1 38 14	648	.....	2.456	.....	554	170	1.530	.4690
1 " 34.....	1 41 8	659	.....	2.499	.....	559	164	1.546	.4535
1 " 33.....	1 44 12	671	.....	2 544	.....	565	158	1.562	.4370
1 " 32.....	1 47 27	684	.....	2.593	.....	572	152	1 580	.4193
1 " 31.....	1 50 55	697	.....	2.644	.....	578	145	1.599	.4007
1 " 30.....	1 54 37	712	.....	2.699	.....	586	138	1.619	.3805
1 " 29.....	1 58 34	727	.....	2.758	.....	593	130	1.640	.3592
1 " 28.....	2 2 5	744	.....	2.820	.....	602	122	1.663	.3363

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Rate of Inclination.	Angle with the horizon.	For a Stage Wagon.				For a Stage Coach.			
		Force required to draw the wagon up the incline	Force required to draw the wagon down the incline	Equivalent length of level road for an ascending wagon	Equivalent length of level road for a descending wagon	Force required to draw the coach up the incline	Force required to draw the coach down the incline	Equivalent length of level road for an ascending coach	Equivalent length of level road for a descending coach
		lbs.	lbs.	Miles.	Miles.	lbs.	lbs.	Miles.	Miles.
1 in 27	° ′ ″ 2 7 2	762	.....	2 888	.....	610	113	1.688	.3129
1 " 26	2 12 2	781	.....	2.966	.....	620	103	1.714	.2854
1 " 25	2 17 26	801	.....	3.038	.....	630	93	1.743	.2566
1 " 24	2 23 10	823	.....	3.120	.....	641	82	1.774	.2257
1 " 23	2 29 22	847	.....	3.213	.....	653	69	1.808	.1919
1 " 22	2 36 10	874	.....	3.313	.....	666	56	1.844	.1554
1 " 21	2 43 35	903	.....	3.423	.....	681	42	1.884	.1150
1 " 20	2 51 21	933	.....	3.538	.....	696	26	1.926	.0730
1 " 19	3 0 46	970	.....	3.677	.....	714	8	1.977	.0221
1 " 18	3 10 47	1009	.....	3.826	.....	734	.....	2.032	.....
1 " 17	3 21 59	1053	.....	3.991	.....	756	.....	2.092	.....
1 " 16	3 34 35	1102	.....	4.178	.....	780	.....	2.160	.....
1 " 15	3 48 51	1157	.....	4.388	.....	807	.....	2.234	.....
1 " 14	4 5 14	1221	.....	4.629	.....	839	.....	2.322	.....
1 " 13	4 23 56	1294	.....	4.906	.....	875	.....	2.423	.....
1 " 12	4 45 49	1379	.....	5.229	.....	918	.....	2.540	.....
1 " 11	5 11 40	1480	.....	5.611	.....	968	.....	2.679	.....
1 " 10	5 42 58	1600	.....	6.067	.....	1028	.....	2.846	.....
1 " 9	6 20 25	1747	.....	6 623	.....	1101	.....	3.048	.....
1 " 8	7 7 30	1929	.....	7.315	.....	1192	.....	3.300	.....
1 " 7	8 7 48	2162	.....	8.199	.....	1308	.....	3.621	.....

The following table will show the force required to move a tun, the limiting angle of resistance, and the greatest inclination which should be given to the roads named. The values of the resistances on which the table is calculated, are those quoted previously :

Description of the road.	Force in pounds required to move a tun	Limiting angle of resistance	Greatest inclination which should be given to the road
		° ′	
Well laid pavement	33	0 50	1 in 68
Broken stone surface on a bottom of rough pavement or concrete	46	1 11	1 " 49
Broken stone surface laid on an old flint road	65	1 40	1 " 34
Gravel road	147	3 45	1 " 15

COST OF CONSTRUCTION AND REPAIRS OF ROADS.

As indicating something of the cost of the construction of roads, as also their repairs, the following condensed account, from the Department of Agriculture (Report of 1868), will certainly be interesting and valuable for reference:

"According to all the returns from different States, the average construction of gravel roads is $2,241 per mile, and the average annual cost per mile for repairs is $103. It appears, from the reports, that only

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a very few of the roads are improved by a gravel bed, and neither the width of the beds so improved, nor the quantity of material applied, is given. We may reasonably infer, however, that neither is greater than is absolutely required, and yet we find the cost of construction per mile to range from $700 to $4,000, and to average $2,241. The annual outlay per mile varies from $4 to $200, the average being, as above stated, $103.

"By reference to the table showing the cost of repairs to common roads per mile, throughout the country, we find it to vary from $1 to $59, and the general average is $18 11 per mile.

"The returns show that the average cost of construction of macadamized roads per mile is $3,290, and it varies in the different States from $500 to $6,336. The average annual cost per mile for repairs of macadamized roads, as reported, is $40—varying from $10 to $100 per mile.

"The average cost of construction of plank roads per mile is reported to be $3,000, and the average annual cost of repairs per mile is $550.

"The following table, compiled from replies to circular issued by the department, shows the average annual cost per mile of repairs of common roads in the respective States:

State.	Cost per mile.	State.	Cost per mile.
New York	$21 82	Louisiana	$2 00
New Jersey	27 50	Texas	7 95
Massachusetts	59 16	Arkansas	6 43
Rhode Island	33 75	Tennessee	17 00
Michigan	23 60	West Virginia	8 40
Wisconsin	24 70	Kentucky	13 57
Pennsylvania	18 28	Missouri	10 59
Maine	40 00	Illinois	10 31
Connecticut	9 00	Indiana	38 28
New Hampshire	16 00	Ohio	23 60
Vermont	25 00	Minnesota	20 00
Maryland	11 00	Iowa	20 00
Delaware	14 50	Kansas	8 00
Virginia	6 00	Nebraska	5 00
North Carolina	6 50	Utah	43 00
South Carolina	1 00	Colorado	
Georgia	7 53	California	23 00
Florida	18 00	Nevada	10 00
Alabama	4 84	Oregon	25 00
Mississippi	8 00		

Section Four.

EARTH ROADS—INVENTION OF ROAD MACHINES.

It has often been asserted that Illinois could never have a good system of roads, for the reason that, except in widely scattered localities, good gravel could not be found, and that it was still more rare to obtain rock suitable for the formation of roads. This very scarcity of what has heretofore been deemed indispensable to road-making has led to the perfection of machinery for casting up from the sides of the road bed a continuous ridge of earth, leaving the grade perfect, the slopes of the roadway light or heavy at will, the sides gradually descending to the ditches or gutters, so that the whole surface, and even the water ways, when not wet, may be made use of as a roadway.

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Indeed, the making of earth roads by machinery may be said to have been reduced almost to a science; since, given the miles of clear surface to be graded, the cost of making the road may be computed to within a small fraction of the cost.

GOOD EARTH ROADS EXCELLENT CAUSEWAYS.

We think it will be admitted to be beyond contradiction that the prairies of Illinois, composed as they are of a strong loam, that, when dry and under pressure, will compact, will make a smooth, even surface, upon which the wheels of loaded vehicles scarcely make an impression, and this fact ought to have suggested their admirable nature for this purpose long ago. Certain it is that during the drouths of summer, and when frozen and worn smooth in winter, they are among the best of any natural causeways in the world. Upon any of our well-drained, carefully graded and tolerably well-traveled prairie roads, there is but a small portion of the year—say a short time in the spring, when the frost is just coming out, and another equally short time, when it is freezing and thawing in the fall—that a good team cannot haul 3,000 pounds with ease. Therefore, given good drainage, an even grade as to the slopes of the sides, and a soil that will pack solid, the question of good roads is solved.

CAST IRON RULES NOT REQUISITE.

It has also been objected to by those who have studied works on drainage, where certain cast iron gradients (if I may be allowed to coin a term) being determined on by the engineer, every slope of the various undulations must be cut away, and the materials used to fill the slight hollows, so that the road when completed shall present a continuous line of equal rise and fall, like a railroad. Indeed, railroad engineers are beginning to find out that it is cheaper to run over many natural grades than always to cut through them; and hence railroads have become practicable where once it was believed it would not pay to build them.

It has furthermore been found in practice that the ordinary undulating surface of our prairies offer no obstacle to the continuous running of roads, and that the grades may follow the surface, unless in exceptional cases, where a sharp, high ridge may intervene. These may require some cutting, but far less than has generally been supposed. As a rule the grading may be made continuous over hill and dale, and seldom will it be found necessary to deviate from a straight line in order to avoid serious obstructions.

NO ENGINEERING REQUIRED.

Therefore no engineering is required; nothing but a good machine, a set of flags by which to drive, sufficient team and men to operate the machine, and the work may go on continuously at the rate of a mile to a mile and a half per week of road completed, perfect in its slopes and drainage, through valleys and over the gentle slopes that are found everywhere on our grand prairies. The superior drainage which this system of roads would give to prairie farms is itself one of the most eloquent pleas possible for its general adoption. But valuable as this one point really is, it is but an integer of its final value to the West,

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and almost insignificant in comparison with the development that would follow. The wealth that a system of building first-class earth roads would create, is simply enormous.

ROAD-BEDS GENERALLY TOO NARROW.

How to do this to the best advantage, is the question. One of the mistakes, but still a very pardonable one, where the work must be done with the plow and scraper, is that the road-beds are commenced too narrow. When it becomes necessary to widen them, as it inevitably does, in order to accommodate increased travel, not only the original labor is lost, but where the ditch once was it can with difficulty be made solid, since here must be placed a thick layer of comparatively soft earth, and adjoining on each side the ridge of compact earth that formed the original road-bed.

NARROW ROAD-BEDS NOT ECONOMICAL.

It is therefore advisable that the road-bed be made at least twenty-five feet wide, with the ditches not less than seven feet wide, but nine feet is preferable. This extreme width for road-beds and water-ways will leave twelve and a half feet on each side for the planting of such shade trees as may be needed, and yet give ample space for the passage of pedestrians. The ditches should commence at nothing, running gradually back until the extreme depth, eighteen inches to two feet, is reached. This should be at a point only so far from the extreme width as to correspond with the height of the bank, so that the rise to the bank may be as one to one, or an angle of forty-five degrees.

ROAD-MAKING BY MACHINES.

Arrange the machine so that it will carry the earth directly to the center of the road and drop the material excavated continuously as the machine passes forward, to correspond with the width of the ditches; so continue until you have the ditches or water-ways of sufficient depth and regularity, and the whole is ready for spreading or finishing.

This finishing is done by taking an eight by ten-inch square timber, twenty-four feet long, and drawing it diagonally, the rear end in the water-way, up and back. This will spread and grade the earth evenly over the required space for the road-bed, leaving the surface crowning to the middle just as may be required. It is not necessary in every case that it be cast all over the roadway, so that if only a narrow track is required the bermes next the ditches may be left of any width desired, and still preserve the integrity of the transverse grades.

Start a road and run it clear through a township, if possible. Why not? A machine with eight horses and two men should grade a first-class road six miles in thirty working days, and at an expense for labor of not more than fifteen cents per rod. Plenty of cases might be cited where an average of a mile in four days has been easily accomplished, and this with green teams.

The impression wished to be conveyed is, that the time has come when perfected machines are doing this work in the very best manner, and at a cost of about twenty-five cents on the dollar for what it would cost in the old way with plow and scraper; that roads so made stand infinitely better than the old style of roads, and with far less expense for repairs; that the drainage supplied to the adjacent farms by a good system of

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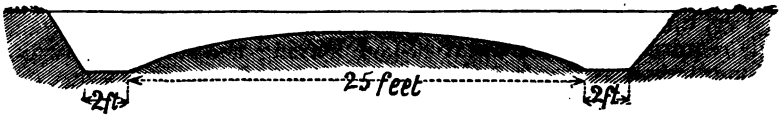
roadways on every section line, will add materially to the productiveness of the soil, and the increased facilities for travel will diminish the cost of transportation fully one-half. In fact it is the want of good drainage, and the difficulty in transporting produce to market, that is doing more to reduce the profits of farming than any other two causes combined. Therefore what the low value of the land years ago would not allow to be done may now be accomplished at so light a cost *per capita* as to form no objection to the making of earth roads, at least, over the whole prairie region of the West.

THE OLD WAY AND THE NEW.

Let us now examine for a moment the advantages of carrying the grades of roads over the undulations of the surface. One of the difficulties over the old system of simply grading the hollows is, that on the declivities and acclivities where there are no lateral slopes to the roadway, the water seeks the ruts, if there be such, or if the roadway be smooth, then the middle of the roadway; since, being without grade, these must soon become the lowest portions of the road. Gullies are formed which wear larger and larger, until the road becomes impassable, and a new track has to be sought. So the process goes on and on, until the whole width of the roadway is ruined.

CUTTINGS—HOW MADE.

The grade being carried continuously up and down the slopes, and over the summits of the undulations as well as in the valleys, the crowning surface of the road conveys the water naturally to the water-ways at the side. If the soil be of a sufficiently yielding nature to be abraded easily, protection against this may be readily applied. If the slopes are so steep as to require cutting down, to render the gradient more easy, when this is done the road grade to the ditches may then be established as on an ordinary surface, remembering always as a rule that the steeper the grade the more rounding the roadway should be, and this for very obvious reasons. The following figure will show a cutting through a sharp ridge, and the grade of the road:



Again, suppose it be easier to go round a hill than through it; then the figure of the road will be thus, a ditch being needed only on the side next the hill:

These, however, are only isolated cases, and will never be required in our gently undulating prairie region, except, perhaps, in the descent to and ascent from a river, ravine, etc. In the hilly portions of Southern, some parts of Western and in Northwestern Illinois these cuts will often be

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found necessary, and in rare cases in other sections of Illinois. The illustrations are given so that with a little study of the tables previously given, and a simple level and plumb, the gradients can be at once established and the cuttings made by any intelligent man.

Again, if from the nature of the country the grades must be made so steep that the water will not run easily to the gutters on the sides, catchways may be provided as previously shown to arrest and convey the water to the ditches. These must be formed of some firm and unyielding materials. This course will be necessary in isolated cases, where the character of the country is exceedingly difficult.

THE SLOPE OF THE DITCHES.

One of the most common errors in roadmaking is, that the ditches are left deepest in the middle and rise alike toward the road and the bank. This is entirely wrong. They should slope gradually to a point next the bank, and corresponding to the height from the bottom of the ditch to the bank as heretofore stated. From thence they should rise sharply to the bank. The reason is plain:

If the lowest point of the gutter be half way between the bank and the road-bed (the outside of it), and there is enough water carried to wash at all, there will be danger that the roadways may become abraded or eaten into by the flowing water; but if near the bank, then the water will wear away from rather than toward the roadway, and all the danger of washing will be avoided. Thus the whole, when completed, should present an appearance as here illustrated. (See Figure 3.)

When it is necessary to carry the water of the ditches through slight rises of ground, the additional work of excavating a channel will be comparatively slight. It may either be spaded and cast out, or a strong horse and plow going back and forth will loosen the earth so that it may be thrown out with a shovel. Thus a slight way once made, the water will speedily wear a channel that will never become choked.

CULVERTS.

One of the most important essentials in road making is sluice ways or culverts, at proper intervals, so that the water may readily be conveyed from one side of the road to the other as the conformation of the surface may demand, to keep up the continuity of the drainage; for, if water be permitted to stand in the ditches at all, the roadway must remain moist and consequently soft.

One of the greatest nuisances is the rough and uncouth wooden abomination miscalled a culvert, often, like Shakspeare's image, with hose "a mile too wide." When these ditches receive the accumulated waters of fields, as when the roadway crosses natural water courses, substantial culverts or bridges must be provided; but when the accumulation is simply the drainage of the road, with, perhaps, some addition from the adjacent land, a simple line of tile sunk to the level of the bottom of the ditch, and extending across and under the road, is all that is necessary. These, besides offering no obstruction to travel, are far cheaper than even the simplest culverts formed of wood.

These should always be of vitrified tile and may be ordered in any city. They are made of any size, from six inches to two feet or even larger in calibre. If one is not enough, lay two or more alongside each other, and forever do away with the severe shocks that torture horses, drivers and passengers, whenever the wheels of a vehicle strike those plank water ways.

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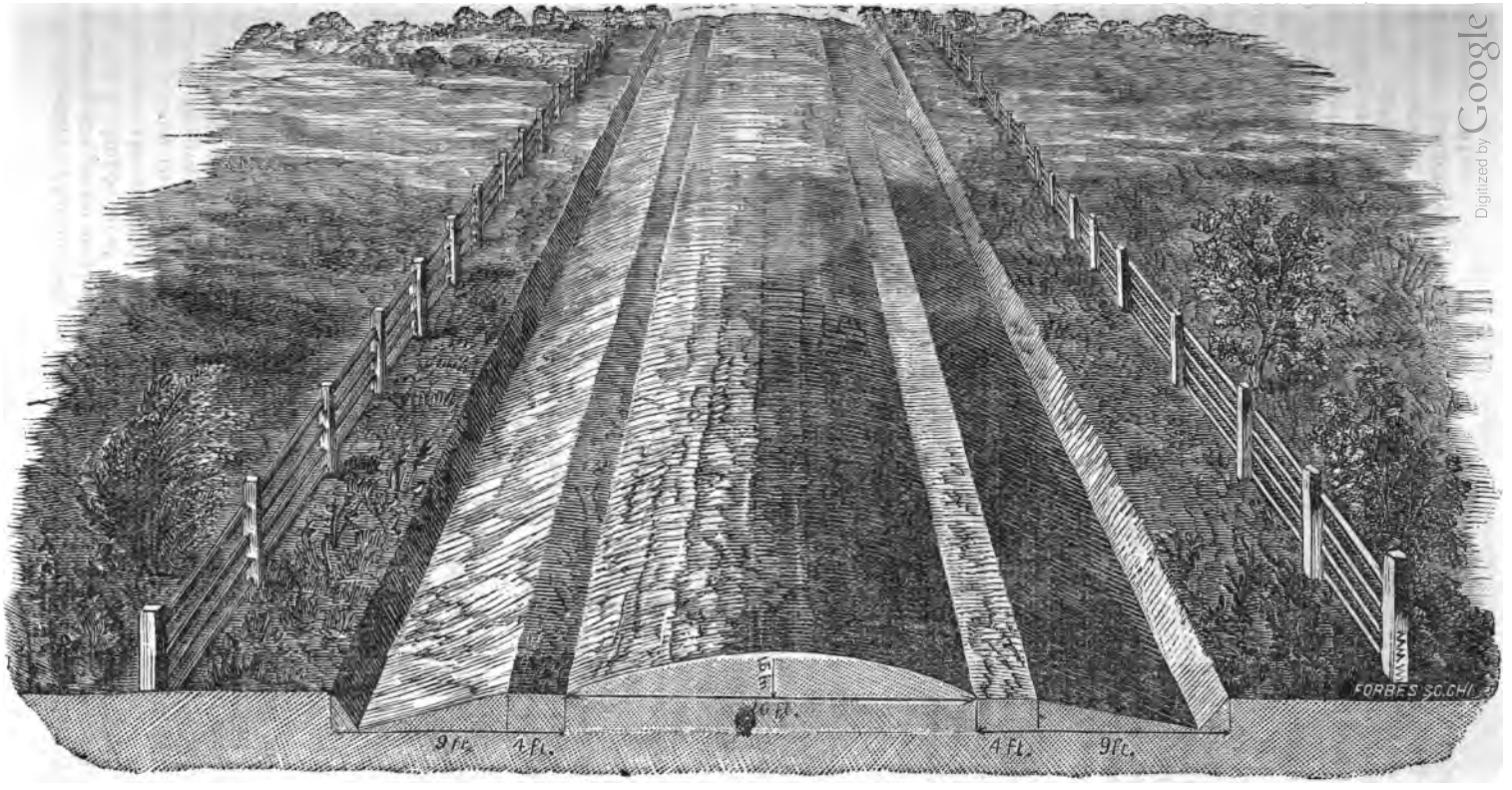

Fig. 3.

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BUILD CULVERTS AFTER THE ROAD IS GRADED.

Grade the road as wanted before building your sluices. Then excavate to the desired depth, level the bottom accurately, making it concave to fit the convexity of the tile. Lay them carefully, pack the earth firmly around them until they are so securely held that they cannot move; lay a plank upon the soil, say from four to six inches over the tile, and then fill in the earth so that the grade may correspond with the rest of the road. There will then be no danger that the heaviest loaded teams will injure the tile, and there is no reason why they should not last as long as the road itself.

We have thus far endeavored to show something of the various ways of making roads, the materials used, and the adaptability to the various needs, seeking to avoid technicalities and elaborate computations that serve only to confuse those not educated to the science of engineering. We have, however, given such data and tables as we deemed serviceable to road-making farmers, road overseers and commissioners of highways. Our principal aim has been to give you an idea how easy it is to make good earth roads, and to call attention to the fact that improved machinery is now doing as much for the road makers as improved implements have done for the farmers.

Yet, since the plow and scraper are necessary until machines can be bought, and since those implements are useful in repairing short pieces of road, it is necessary to say a few words as to the proper mode procedure:

Arrange for the width of the road and ditches, by means of grade pegs and flags along the edges of the required ditches. Set flags along the center of the road to guide the operators somewhat in spreading the earth. Plow the entire width of the ditches throwing the furrows toward the roadway.

Now scrape the furrows well to the center, spreading evenly. Plow again, narrower than before, being careful not to get too deep next the road; again scrape, and so proceed to plow until you have the earth necessary to form the roadway being careful to preserve the bottom of the ditch so that it shall slope very gradually to within about eighteen inches of the outside of the ditch, and rise sharply to the banks next the fences. This finished, the work should present the following appearance:

The figure 1 represents the lines corresponding to the bottom of the ditches; 2, the natural surface of the earth; 2, 2, 2, the width of the grade, twenty-five feet; width of ditch, nine feet on top; 3, the top of the grade, and 4, the fences on each side of the roadway.†

Suppose again, that this be in a slough with slopes rising each way, longitudinally with the road. The accumulation of water will quickly fill the ditches and overflow the road; but a culvert, or a line of tile, according to circumstances, running transversely on, from ditch to ditch, and ending in an open or covered ditch, running down the line of the slough a sufficient distance to form an outlet for the water, establishes your drainage, and your road must, as a matter of course, remain dry.

When graded, the surface should be repeatedly dragged with a heavy harrow to smooth all unevenness, and then rolled until it is quite even and hard. Then, when once worn by teams, it will ever after remain almost impervious to water, unless it is allowed to get out of repair.

† See Cut No. 3.

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It will probably surprise many to be informed that some years ago it was seriously argued that, owing to the spongy nature of the soil, tramways would have to be established over the State of Illinois, to enable its farmers to get their produce to market. We presume there would be few now to advocate this system, in those towns in Iroquois and Champaign counties, and other sections that might be named, where a connected system of earth roadways has been established. It is to be devoutly hoped that the good work will spread until these carefully graded roads are general all over the State.

If this imperfect essay shall do something to further this end, then the efforts of the writer will have been well rewarded.

Section Five—Conclusion.

THE SYSTEM OF ROAD OVERSEERS.

One of the great difficulties in organizing a perfect and uniform system of roads, is the multiplicity of overseers in our towns. It is an onerous position at the best, and one bringing loss rather than profit to the incumbent. These are, or are supposed to be, farmers or business men, who have a direct interest in keeping the roads in repair. From the fact that the position is an onerous one, no man who has business of his own, likes to take it. If a responsible man does, it is simply on account of his public spirit, and they are but seldom men who possess a practical knowledge of road-making. But each does have an indefinite idea of how a road should be made, and immediately proceeds to to carry out these ideas. If there are three or a dozen different overseers in a township, there will be as many different kinds of roads. Consequently there never can be, under this system, any uniformity in the roadways, nor perfection in drainage.

The next year comes a new set of overseers, and they proceed to practically demonstrate their ideas. So it goes on from year to year, and our roads, in too many instances, continue to be the horror to travelers; rutted and full of holes in dry weather, and miry and dreadful when wet. The men are not to blame. They are, as a rule, honest and honorable men. They are not road-makers, but farmers, mechanics or business men, who cannot be expected to leave their occupations to work upon the public ground, especially when, after their best endeavors, they are compelled to endure the censure of imperfect work. Who, then, is to blame? Well, no one specially. It is the law which made the system.

Suppose we change this system, and in lieu of a multitude of road-makers, place the whole matter of road-making in the hands of one competent commissioner in each town, who shall be paid liberally for the labor performed? He may give bonds, if necessary, for the faithful handling and judicious disbursement of the money. Let the commissioners of a county meet at some time in the winter to compare notes and experiences, devise ways and means, report upon improvements, estimate the necessary amount of money required to be raised for the current year, and agree as near as possible upon a uniform sys-

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tem to be pursued. How long would it be before improved drainage and improved roads had added ten times the cost of the work to the value of the lands of the State?

Suppose a good road were built on every section line in a township of six miles square, at a cost of fifty cents per rod, or $160 per mile. It can be done for much less. There would be seventy-two miles of road in the town. This, at $160 per mile, would be $5,760. Add as much for bridges and sluice-ways, and we have $11,520. There are 23,040 acres in a township. Thus the roads and bridges have added the enormous sum of fifty cents per acre to the cost of the farms. The value of the drainage alone would pay the bill and leave the roads as clear gain. Will any farmer say that it will not increase the value of his farm by at least five dollars per acre?

With this view of the case, would there be any difficulty in inducing every property holder to vote the money necessary to bring about this much to be wished for result? Undoubtedly not. But to do this the law must be changed, and the old system of doing the work by property owners, under the direction of a multiplicity of overseers, working without concerted plans, must be abolished. To do this, the people of the State, for they are the real power, must be made to see that the benefits arising therefrom, will be at least commensurate with the cost.

It is to be hoped that your honorable body will thoroughly discuss this important question in all its various bearings; and, if satisfied that these ideas have within them germs of merit, bring out and perfect a plan, and advocate it among your constituency, so that the Legislature of the State, when the matter may be finally brought before them, will be enabled to frame an act for improving the roads of the State, that shall add wealth to the commonwealth, and place Illinois first in the superiority of her roads, as she now is in the richness and diversity of her products.

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THE ARTESIAN WELL REGION OF ILLINOIS.

By G. W. Seavey, Hoopeston.

The facility with which flowing wells are obtained in the southern portion of Iroquois county and its immediate neighborhood, has justly merited for their section the name of "the famous artesian region of Illinois." In no other portion of the State can these wells be secured with so little difficulty or expense; hence I deem the consideration of their extent and importance worthy the attention of the agricultural community. The question of an abundance of pure, healthy water, easily acquired, is one of vital importance to every farmer, and the advantage of a flowing stream on a farm, even though it be in a remote corner, is inestimable—a fact which can only be fully appreciated by those who are obliged to procure water for a large number of stock from a deep well. Consider, then, that in this artesian region, it is possible to secure a flowing stream of water at any desirable point on the farm, at a nominal cost, and it will at once be understood how invaluable these wells are to the country.

THE EXTENT OF TERRITORY

In which these wells are obtainable, lies within, and is mainly bounded by the Toledo and Peoria railroad on the north, the Illinois Central on the west, the Lafayette and Bloomington on the south, and the Chicago, Danville and Vincennes on the east, with Watseka, Gilman, Paxton and Hoopeston at the four corners of the figure thus described. With the exception of the right oblique line made by the Illinois Central railroad, the inclosure is nearly square, and is about twenty-five miles in extent each way, but the form of the artesian territory is more nearly that of an open fan, with the apex at Watseka, and an irregular boundary. The surface of the country is in the main high rolling prairie, lying on the northern slope of the water-shed between the Illinois and the Wabash rivers; but from Watseka, at the northeast corner, a strip of timber extends southwest along Sugar creek, some fifteen miles. The soil is a black, sandy loam, underlaid with yellow clay and gravel, making it one of the finest agricultural and horticultural portions of the State.

Artesian water is obtained at any point within the limits of this territory, but at many places it fails to flow on account of the altitude of the surface, and also pump wells are obtained for several miles outside of the limits which do not flow for the same reason.

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THE WELLS DESCRIBED.

The depth at which these wells are obtained varies from 35 to 150 feet, and the flow ranges from a half inch to two inches in diameter. At Watseka there are over forty wells within the corporate limits, ranging in depth from 93 to 148 feet, besides many other wells in which the water stands constantly within a few inches of the surface. The largest well is at the C., D. and V. depot, and flows a two inch stream, furnishing an everlasting supply to the railroad.

At Gilman, in the northwest corner, there are a large number of wells, from 60 to 100 feet deep. Southwest of Watseka, in the neighborhood of Ash Grove, these wells are easily obtained at from 35 to 120 feet deep.

The most reasonable scientific solution of the cause of these flowing fountains is, we think, that of considering this territory as forming the basin of a primitive lake or bayou of the ancient inland sea, which has been filled up by the action of water with strata of sand and clay. One of these layers of sand, known as the artesian sand from which this water comes, is immediately overlaid with a bed of hard-pan, through which it is necessary to penetrate in securing these wells, and which forms an impervious roof to the water, thus giving it sufficient hydrostatic pressure to send it to the surface. This we believe to be the true theory, for in many places a few miles beyond the limits of the artesian region this hard-pan is found very near the surface, while within it is at considerable depth. Still farther beyond no artesian water is found above the St. Peter sandstone. At Paxton, in the southwest corner of the square, which is several miles beyond the artesian region, an artesian well is now being bored which has reached the depth of 1,800 feet without water, but a vein of salt water has been struck.

ANALYSIS OF THE WATER.

Unquestionably, in all of the water there is more or less mineral ingredients; in some iron is very prominent, in others magnesia predominates, and still others sulphur is perceptible, giving the water a peculiar smell and taste, though not unpleasant or unhealthy. The water, as it flows from one well, has a creamy appearance, but the sediment soon settles and the water is then sweet. No full analysis of these waters has, to our knowledge, been made, but Dr. R. Smith, of Ash Grove, has examined the water of four wells near that place, with the following result:

	Tubing.	Depth.	Flow.	Fe.	Sulphur.	Magnesia.
Number 1.....	Iron.	86	3 in.	7	5	.....
Number 2.....	Wood.	109	½ "	3	2	.....
Number 3.....	Wood.	56	1½ "	2	1	1
Number 4.....	Iron.	36	1½ "	1	1	1

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ITS USES.

Besides being of inestimable value to the farms in this region in affording an abundant supply of water for stock, these wells are growing in importance for other purposes. Some of them contain medicinal properties; in many places the water was used during the last dry season for irrigating purposes, and at a distance eight miles southwest of Watseka, a grist-mill is fed, in dry times, by the water from three of these wells. For making butter and cheese, they must, at no distant day, play a very important part. As yet, this section of the country is new, and but partially cultivated, but as it grows older and wealthier, to what innumerable uses, for ornament and other purposes, will these wells be put?

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